



(51) International Patent Classification:

G01N 33/15 (2006.01) A61K 38/17 (2006.01)
G01N 33/68 (2006.01) C12N 15/12 (2006.01)

(74) Agent: **BALLEW CHANG, Nicole**; Christie, Parker & Hale, LLP, P.O. Box 7068, Pasadena, CA 91109-7068 (US).

(21) International Application Number:

PCT/US2010/030649

(22) International Filing Date:

9 April 2010 (09.04.2010)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/168,133 9 April 2009 (09.04.2009) US

(71) Applicant (for all designated States except US): **CALIFORNIA INSTITUTE OF TECHNOLOGY** [US/US]; 1200 E. California Blvd., M/S 201-85, Pasadena, CA 91125 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WEST, Anthony, P.** [US/US]; 595 N. Catalina Ave., Pasadena, CA 91106 (US). **YANG, Zhiru** [CN/CN]; Beijing Novo Nordisk Pharmaceuticals, Science & Technology Co., Ltd., 1st Fl., Tower B, 29 Life Science Park Road, Changping District, Beijing, 100101 (CN). **BJORKMAN, Pamela, J.** [US/US]; 5210 La Sierra Dr., La Canada, CA 91011 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

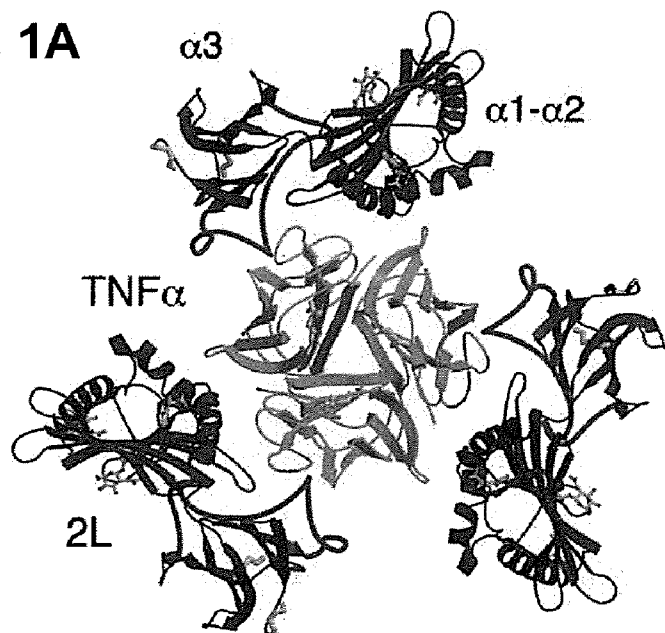
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: METHODS FOR CREATING OR IDENTIFYING COMPOUNDS THAT BIND TUMOR NECROSIS FACTOR ALPHA

FIG. 1A

(57) Abstract: Methods for creating therapeutic candidate compounds or of identifying therapeutic candidate compounds for use in treating TNF α -mediated diseases or conditions are described that utilize parameters, including amino acid residues, obtained by analysis of a Yatapoxvirus 2L-TNF α crystal structure.



Published:

- *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*
- *with sequence listing part of description (Rule 5.2(a))*

65251/C766

1 **METHODS FOR CREATING OR IDENTIFYING COMPOUNDS THAT BIND**
 TUMOR NECROSIS FACTOR ALPHA

CROSS-REFERENCE TO RELATED APPLICATION(S)

5 **[0001]** This application claims priority to and the benefit of U.S. Provisional Application
Serial No. 61/168,133, filed April 9, 2009, and titled "Crystal Structure of Poxvirus Tumor
Necrosis Factor-alpha (TNF α)-Binding Protein 2L in Complex with TNF α , Useful for the
Design and Development of Anti-Inflammatory Pharmaceuticals," the entire content of which
10 is incorporated herein by reference.

INCORPORATION BY REFERENCE

[0002] The material in the text file titled "65251SequenceListing", created April 9, 2010,
15 and being 2700 bytes, is herein incorporated by reference in its entirety.

FIELD

[0003] The present invention relates to methods of creating and/or identifying
therapeutic candidate compounds expected to have useful immunomodulatory and/or anti-
20 inflammatory properties. In particular, the methods make use of a crystal structure of a
Yatapoxvirus 2L polypeptide bound to human TNF α to provide guidance as to desirable
characteristics of the therapeutic candidate compounds.

25 BACKGROUND

[0004] Tumor necrosis factor (TNF) secreted primarily by macrophages and monocytes,
is a potent mediator cytokine of inflammation and the immune response to various pathogens
(Aggarwal, BB 2003, *Nat. Rev. Immunol.* 3:745-756; Ware, C.F., 2005, *Annu. Rev. Immunol.*
30 23:787-819). The proinflammatory cytokine tumor necrosis factor α (TNF α) is the prototype
member of the TNF superfamily that forms trimers, and is expressed as a membrane-bound
26-kDa protein and a soluble 17-kDa protein, both of which are biologically active. TNF α is
a major target for pharmaceutical intervention in a number of autoimmune diseases including
35 rheumatoid arthritis, septic shock, ulcerative colitis, Crohn's disease and other syndromes
(Mocellin *et al.*, 2005, *Cytokine Growth Factor Rev.*, 16:35-53).

[0005] Large DNA viruses such as poxviruses, which replicate exclusively within the
cytoplasm of infected cells, encode diverse immunomodulatory proteins to modulate, avoid,

65251/C766

1 or diminish multiple antiviral responses mediated by hosts (Seet *et al.*, 2003, *Annu. Rev.*
Immunol., 21:377-423; Alcami, 2003, *Nat. Rev. Immunol.* 3:36-50; Nazarian *et al.*, 2006,
5 *Future Virol.*, 1:123-132). Given the broad immune effects of TNF α , viruses have developed
potent TNF α inhibitors – some derived from host TNF receptors (Rahman, 2006, *PLoS*
Pathog. 2 e4). The Yatapoxvirus genus of poxviruses includes Tanapox virus (TPV), Yaba
monkey tumor virus (YMTV), and Yaba-like disease virus (YLDV) (Knight *et al.*,
1989, *Virology*, 172:116-124). Several members of this genus of poxviruses have been found
10 to encode an hTNF α inhibitor, designated as 2L, that bears little homology to endogenous
hTNF receptors.

[0006] The 2L poxvirus protein was originally isolated as a potential human therapeutic,
with the rationale that agents developed over millennia in the struggle between viruses and
the vertebrate immune system may be particularly well tuned for modulation of the immune
15 response. However, since even the existing anti-TNF α drugs exhibit limitations in efficacy
for treating disease, there is a need for improved human anti-TNF α therapeutics based on the
2L poxvirus protein and methods for obtaining such therapeutics.

20 SUMMARY

[0007] According to an aspect of the invention, there is provided a method of creating a
therapeutic candidate compound comprising: providing a secreted form of a 2L polypeptide
of SEQ ID No. 1, SEQ ID No. 2, or SEQ ID No. 3; modifying at least one amino acid of the
2L polypeptide at a position other than the 2L interface amino acids HIS58, GLU99,
25 GLY101, PHE104, LYS125, GLY157, TYR160, MET161, GLY162, LEU165, LEU168,
GLN171, LYS175, GLU225, VAL229, ASN230, GLY231, ARG232, or GLU289 for SEQ
ID No.'s 1-2 or HIS57, GLU100, GLY102, PHE105, LYS126, GLY157, TYR161, ALA162,
GLY163, LEU166, PHE169, GLN172, LYS176, GLU226, VAL230, ASN231, GLY232,
30 ARG233, or GLU290 for SEQ ID No. 3, to form a candidate compound; and, purifying the
candidate compound.

[0008] According to another aspect of the invention, there is provided a method of
creating a therapeutic candidate compound comprising: providing a sequence of a 2L
35 polypeptide comprising SEQ ID No. 1, SEQ ID No. 2, or SEQ ID No. 3; modifying at least
one amino acid of the sequence of the 2L polypeptide at a position other than HIS58, GLU99,
GLY101, PHE104, LYS125, GLY157, TYR160, MET161, GLY162, LEU165, LEU168,
GLN171, LYS175, GLU225, VAL229, ASN230, GLY231, ARG232, or GLU289 for SEQ

65251/C766

1 ID No.'s 1-2 or at a position other than HIS57, GLU100, GLY102, PHE105, LYS126,
GLY157, TYR161, ALA162, GLY163, LEU166, PHE169, GLN172, LYS176, GLU226,
VAL230, ASN231, GLY232, ARG233, or GLU290 for SEQ ID No. 3, to form a sequence of
a candidate compound; expressing the sequence of the candidate compound from a host cell
5 to create a secreted form of the candidate compound; and, purifying the candidate compound.

[0009] These methods may further comprise verifying that the candidate compound binds
to human TNF α with a binding affinity K_d of from about 40 picomoles to about 440
picomoles.

10 [0010] According to yet another aspect of the invention, there is provided a method of
creating a therapeutic candidate compound comprising: providing a secreted form of a 2L
polypeptide of SEQ ID No. 1, SEQ ID No. 2, or SEQ ID No. 3; modifying at least one amino
acid of the 2L polypeptide at a position selected from the group consisting of HIS58, GLU99,
15 GLY101, PHE104, LYS125, GLY157, TYR160, MET161, GLY162, LEU165, LEU168,
GLN171, LYS175, GLU225, VAL229, ASN230, GLY231, ARG232, and GLU289 for SEQ
ID No.'s 1-2 or at a position selected from the group consisting of HIS57, GLU100,
GLY102, PHE105, LYS126, GLY157, TYR161, ALA162, GLY163, LEU166, PHE169,
GLN172, LYS176, GLU226, VAL230, ASN231, GLY232, ARG233, and GLU290 for SEQ
20 ID No. 3, to form a candidate compound; and, purifying the candidate compound.

[0011] According to still another aspect of the invention, there is provided a method of
creating a therapeutic candidate compound comprising: providing a sequence of a 2L
polypeptide comprising SEQ ID No. 1, SEQ ID No. 2, or SEQ ID No. 3; modifying at least
25 one amino acid of the sequence of the 2L polypeptide at a position selected from the group
consisting of HIS58, GLU99, GLY101, PHE104, LYS125, GLY157, TYR160, MET161,
GLY162, LEU165, LEU168, GLN171, LYS175, GLU225, VAL229, ASN230, GLY231,
ARG232, and GLU289 for SEQ ID No.'s 1-2 or at a position selected from the group
consisting of HIS57, GLU100, GLY102, PHE105, LYS126, GLY157, TYR161, ALA162,
30 GLY163, LEU166, PHE169, GLN172, LYS176, GLU226, VAL230, ASN231, GLY232,
ARG233, and GLU290 for SEQ ID No. 3, to form a sequence of a candidate compound;
expressing the sequence of the candidate compound from a host cell to create a secreted form
of the candidate compound; and, purifying the candidate compound.

35 [0012] These methods may further comprise verifying that the candidate compound binds
to human TNF α with a binding affinity K_d less than that of the 2L polypeptide.

[0013] These methods may further comprise an N-terminal signal sequence.

65251/C766

1 **[0014]** These methods may be provided wherein the immature sequence is according to SEQ ID No. 15, SEQ ID No. 16, or SEQ ID NO. 17.

5 **[0015]** The foregoing methods may further comprise confirming *in vitro* that the candidate compound suppresses signaling via the TNF α cascade. The methods may further comprise confirming *in vitro* that the candidate compound competitively inhibits human TNFR1 or human TNFR2 from binding to human TNF α . The modification of the at least one amino acid may be selected from the group consisting of substitution, addition and deletion.

10 **[0016]** According to even another aspect of the present invention, there is provided a method for determining whether or not a test compound is a therapeutic candidate compound for use in treating a TNF α mediated disease or condition in humans, the method comprising: providing the test compound or an electronic representation of the test compound; determining whether the test compound or electronic representation of the test compound binds to at least TNF α interface amino acids TYR87, ARG31, ARG32, ASN30, SER86, 15 ARG82, GLU127, ASN34, VAL91, ALA33, VAL91, GLN21, ARG44, GLU42, LEU37, LEU43, VAL41 and GLN27 of hTNF α , or competitively inhibits binding of hTNFR1 or hTNFR2 to the TNF α interface amino acids, to within a specified confidence interval; for test compounds that bind to the TNF α interface amino acids or competitively inhibit binding of 20 human TNFR1 or human TNFR2 to the TNF α interface amino acids, confirming *in vitro* that the test compound suppresses signaling via the TNF α cascade, thereby rendering it a therapeutic candidate compound.

25 **[0017]** In any of the foregoing methods, the method may further comprise verifying that the candidate compound binds to human TNF α with a shape complementarity index of from 0.64 to 0.78. The methods may further comprise verifying that the candidate compound, upon binding to human TNF α , imparts a change in conformation of human TNF α at GLN21, ALA22, GLU23, GLY24, GLN25, ARG31, ARG32, ALA33, ASN34, ALA35, PHE144, 30 ALA145, GLU146, SER147, and GLY148. The methods may further comprise verifying that the modification reduces immunogenicity of the candidate compound as compared with the 2L polypeptide of SEQ ID No.'s 1, 2 or 3. The methods may further comprise verifying that the modification alters the circulating half life of the candidate compound as compared with the 2L polypeptide of SEQ ID No.'s 1, 2 or 3. The methods may further comprise 35 verifying that the candidate compound binds to human TNF α over a surface area of at least 2000 Å².

1 [0018] According to yet still another aspect of the invention, there is provided a therapeutic candidate compound obtained according to any of the foregoing methods.

5 [0019] According to yet even another aspect of the invention, there is provided a method of treating a TNF α mediated disease or condition in humans comprising administering a therapeutic candidate compound obtained according to any of the foregoing methods in an amount and for a time sufficient to achieve a therapeutic effect. This can be alternatively described as use of a therapeutic candidate compound according to any of the foregoing methods in an amount and for a time sufficient to achieve a therapeutic effect in treating a
10 TNF α mediated disease or condition in humans. It is contemplated to use the therapeutic candidate compound in the manufacture of a medicament for treating a TNF α mediated disease or condition or in a pharmaceutical composition comprising the purified therapeutic candidate compound with a pharmaceutically acceptable diluent formulated for administration to a patient suffering from or at risk of developing a TNF α mediated disease or
15 condition.

[0020] A purified nucleic acid molecule that encodes a polypeptide comprising the sequence of the candidate compound is also provided as part of this invention, along with any purified nucleic acid molecule that hybridizes under high stringency conditions to the
20 aforementioned nucleic acid molecule. A vector comprising the nucleic acid molecule and a host cell comprising the vector are also provided.

[0021] According to yet even still another aspect of the invention, there is provided a crystal of the secreted form of Yaba-like disease virus 2L protein bound to human TNF α .
25 The Yaba-like disease virus 2L protein may comprise an amino acid sequence according to SEQ ID No. 1. The crystal may have a three-dimensional structure as defined by the atomic coordinates of Table 4 with a root mean square deviation of 1.0 Å for each atomic coordinate.

30 BRIEF DESCRIPTION OF THE DRAWINGS

[0022] These and other features and advantages of the present invention will be better understood by reference to the following detailed description when considered in conjunction with the attached drawings, in which:

35 [0023] Fig. 1A is a ribbon diagram of the 2L-TNF α complex looking down the 3-fold symmetry axis;

[0024] Fig. 1B is a ribbon diagram of the 2L-TNF α complex with the 3-fold axis vertical;

65251/C766

- 1 **[0025]** Fig. 1C shows a surface representation of TNF α from the complex structure with
the 2L binding site in the darkened region;
- [0026]** Fig. 2A shows a ribbon diagram of 2L with the α 3 domain insertion;
- 5 **[0027]** Fig. 2B shows stereo C α superposition of the α 1- α 2 platforms of 2L with HLA-
A2 and FcRn;
- [0028]** Fig. 2C shows a surface representation of the 2L α 1- α 2 platform shown in the
same orientation as Fig. 2B;
- 10 **[0029]** Fig. 2D shows a close-up of a ribbon diagram of the interface between the 2L α 1-
 α 2 platform and α 3 domain with the interface amino acids labeled;
- [0030]** Fig. 2E shows a stereo superposition of 2L and HLA-A2 with an arrow indicating
displacement of the 2L α 3 domain compared to the HLA-A2 α 3 domain;
- 15 **[0031]** Fig. 2F shows stereo representation of 2L with β 2m showing N-linked
glycosylation at Asn6;
- [0032]** Fig. 3A shows surface representations of 2L (left) and the 2L-TNF α complex
(right);
- 20 **[0033]** Fig. 3B shows ribbon diagrams corresponding to the surface representations of
Fig. 3A;
- [0034]** Fig. 3C shows stereo close-ups of the 2L-TNF α interface with the α 3 domain
insertion;
- 25 **[0035]** Fig. 4 shows a sequence alignment of mature poxvirus 2L proteins including
YLDV (Yaba-like disease virus); TPV (Tanapox virus); YMTV (Yaba monkey tumor virus),
Deerpox (Deerpox virus strain W-848-83; Swinepox (Swinepox open reading frame SPV003)
with boxes highlighting the interface residues;
- [0036]** Fig. 5 shows a sequence alignment of mammalian TNF α proteins and human
TNF β ; and,
- 30 **[0037]** Fig. 6 shows a stereo superposition of 2L-bound TNF α and unbound TNF α .

DETAILED DESCRIPTION

- 35 **[0038]** Design and development of a therapeutic agent that binds TNF α while evading
the immune system can be efficiently realized from the specific binding interface of the
poxvirus 2L protein and TNF α . As shown herein, the Yaba-like disease virus (YLDV) 2L
protein complexed to TNF α has been isolated and crystallized, and its crystal structure has

65251/C766

1 been determined and analyzed. The crystal structure data includes the three-dimensional
molecular and atomic coordinates (**Table 4**) and computed modeling of the 2L-TNF α
complex (**Fig. 1A-1C**). In addition to the disclosed crystal structure, the present invention
5 also provides methods for identifying and designing novel 2L-based TNF α binding
compounds that modulate TNF α activity.

[0039] U.S. Patents 7,585,507 and 6,894,155 to McFadden *et al.*, are incorporated by
reference herein in their entirety. These patents describe immune modulation of TNF α using
full length (exclusive of signal sequence) 2L molecules. As described herein, a method is
10 provided for designing candidate TNF α -binding compounds based on the specific 2L and
TNF α residues found to interact at the 2L-TNF α interface.

[0040] Definitions

15 [0041] Unless defined otherwise, all technical and scientific terms used herein have the
meaning commonly understood by one of ordinary skill in the art relevant to the invention.
The definitions below supplement those in the art and are directed to the embodiments
described in the current application.

20 [0042] Immature YLDV, TPV and YMTV 2L proteins are represented by **SEQ ID NOs.**
15, 16 and 17, respectively. Mature untagged YLDV, TPV and YMTV 2L proteins are
represented by **SEQ ID NOs: 1, 2 and 3**, respectively.

[0043] As used herein, the "2L-TNF α interface" refers to the amino acid residues of the
2L protein that interact directly with TNF α , and the TNF α amino acid residues that interact
25 directly with 2L. The interface residues are listed in **Table 1**. Direct interaction is defined by
those residues that have at least 2% ASA (accessible surface area) and/or form a salt bridge
or hydrogen bond. As used herein, the interface can refer to both the 2L and TNF α amino
acids that interact with each other.

30 [0044] The "2L interface" and the "2L interface residues" refer to the 2L amino acids that
directly interact with TNF α . The 2L interface residues of YLDV 2L (**SEQ ID NO: 1**) and
TPV 2L (**SEQ ID NO: 2**) include: HIS58, GLU99, GLY101, PHE104, LYS125, GLY157,
TYR160, MET161 or ALA161, GLY162, LEU165, LEU168 or PHE168, GLN171, LYS175,
35 GLU225, VAL229, ASN230, GLY231, ARG232, and GLU289. The 2L interface residues of
YMTV 2L (**SEQ ID NO: 3**) include: HIS57, GLU100, GLY102, PHE105, LYS126,
GLY157, TYR161, ALA162, GLY163, LEU166, PHE169, GLN172, LYS176, GLU226,
VAL230, ASN231, GLY232, ARG233, and GLU190.

65251/C766

1 **[0045]** The "TNF α interface" and the "TNF α interface residues" refer to the human TNF α amino acids that directly interact with 2L. The TNF α interface residues include: TYR87, ARG31, ARG32, ASN30, SER86, ARG82, GLU127, ASN34, VAL91, ALA33, VAL91, GLN21, ARG44, GLU42, LEU37, LEU43, VAL41, and GLN27.

5 **[0046]** "Polypeptide," "polypeptide fragment," "peptide," or "peptide fragment" means a chain of two or more amino acids, regardless of any post-translational modification (e.g., glycosylation, acetylation, or phosphorylation), constituting all or part of a naturally or non-naturally occurring polypeptide. A "protein" can be made up of one or more polypeptides or one or more peptides.

10 **[0047]** "Post-translational modification" means any change to a polypeptide or polypeptide fragment during or after synthesis. Post-translational modifications can be produced naturally (such as during synthesis within a cell) or generated artificially (such as by recombinant or chemical means). One example of a post-translational modification occurs during secretion from a cell, in which an N-terminal signal sequence is cleaved from an immature intracellular protein to yield a extracellular mature, processed, or secreted form of the protein. The amino acids that make up the N-terminal signal sequence of a protein can be readily determined by persons skilled in the art from the immature protein sequence using, for example, software tools such as SignalP (as originally described by Henrik Nielsen, Jacob Engelbrecht, Søren Brunak and Gunnar von Heijne in "Identification of prokaryotic and eukaryotic signal peptides and prediction of their cleavage sites.", *Protein Engineering*, 10:1-6, 1997, and available for use at www.cbs.dtu.dk/Services/SignalP.)

25 **[0048]** By "candidate compound" or "compound" is meant a molecule, be it naturally-occurring or artificially-derived, that is assayed for its ability to bind TNF α by employing one of the assay methods described herein. Candidate compounds may include, for example, peptides, polypeptides, aptamers, Fc fusion proteins, antibodies, synthesized organic molecules, naturally occurring organic molecules, nucleic acid molecules, and biologically active fragments thereof.

30 **[0049]** A "mutation" includes a deletion, a conserved amino acid change and/or non-conserved amino acid change, or an addition of an amino acid.

35 **[0050]** By "analog" is meant any substitution, addition, or deletion in the amino acid sequence of a 2L-derived TNF α -binding candidate compound that exhibits properties that are at least 50%, preferably at least 75%, more preferably at least 90%, and most preferably at least 95% of the immunomodulatory properties of the poxvirus 2L protein from which it is

65251/C766

1 derived. Analogs can differ from the naturally occurring 2L protein by amino acid sequence
differences, by amino acid sequence or post-translational modifications, or by both.
Modifications include *in vivo* and *in vitro* chemical derivatization of polypeptides, e.g.,
5 acetylation, carboxylation, phosphorylation, or glycosylation. Such modifications may occur
during polypeptide synthesis or processing or following treatment with isolated modifying
enzymes. Analogs can also differ from the naturally occurring poxvirus 2L polypeptide by
alterations in primary sequence. These include genetic variants, both natural and induced (for
10 example, resulting from random mutagenesis by irradiation or exposure to agents such as
ethanemethylsulfate, or by site-specific mutagenesis as described in Sambrook, Fritsch and
Maniatis, *Molecular Cloning: A Laboratory Manual* (2d ed.), CSH Press, 1989, hereby
incorporated by reference; or Ausubel *et al.*, *Current Protocols in Molecular Biology*, John
Wiley & Sons, New York, 1994, hereby incorporated by reference). Also included are
15 polypeptide molecules that contain residue substitutions for L-amino acids, e.g., D-amino
acids or non-naturally occurring synthetic amino acids. Fragments and analogs can be
generated using standard techniques, for example, solid phase peptide synthesis or
polymerase chain reaction (PCR).

20 **[0051]** "2L-derived TNF α -binding candidate nucleic acid molecule" means a nucleic acid
molecule, such as a genomic DNA, cDNA, or RNA (e.g., mRNA) molecule that encodes a
2L-derived TNF α -binding candidate polypeptide having the desired characteristics or
biological activities of a poxvirus 2L polypeptide as described herein.

25 **[0052]** "Immune function" or "immunoreactivity" refers to the ability of the immune
system or immune system factors in an *in vitro* assay, to respond to a foreign antigen as
measured by standard assays. "Modulate" or "modulating" means the induction of a
quantitative change, either by decrease or increase, in the response of a target cell, sample, or
organism, as a result of an interaction with a TNF α protein or nucleic acid molecule or
30 candidate compound. The increase or decrease is by at least 10%, preferably by at least 20%,
more preferably by at least 50%, still more preferably by at least 75%, yet more preferably by
at least 95% and most preferably by at least 100% relative to an untreated control organism,
sample, or molecule.

35 **[0053]** "Immunomodulation" or "immunomodulatory" refers to an alteration in the
overall immunoreactivity of the immune system in a mammal, or alteration in the response of
a cell, relative to an untreated control of the same type, upon treatment with an agent, such as
a polypeptide or nucleic acid molecule of the present invention, or fragments and analogs

65251/C766

1 thereof. Immunomodulation can be assayed using immune cells, for example, B cells, T cells,
antigen-presenting cells, or any other cell that is involved in immune function.
Immunomodulation can also be assayed by determining expression and/or activity of
immune-related genes and proteins, or immune-related compounds, such as cytokines,
5 cytokine receptors, immunoglobulins, etc.

[0054] "Immunosuppression" refers to a decrease in the overall immunoreactivity of the
immune system upon administration of an immunomodulator in comparison to the
immunoreactivity of an immune system that has not been contacted with the particular
10 immunomodulator. "Immunostimulation" refers to an increase in the overall
immunoreactivity of the immune system upon administration of an immunomodulator in
comparison to the immunoreactivity of an immune system that has not been contacted with
the particular immunomodulator. "Decreasing T cell stimulation" means lowering the level
of T cell stimulation as measured by, for example, a chromium release assay. "Decreasing
15 inflammation" means decreasing the number of inflammatory cells (leukocytes, for example
eosinophils) in the target tissue by, preferably, two-fold. By "cell proliferation" is meant the
growth or reproduction of similar cells. By "apoptosis" is meant the process of cell death
where a dying cell displays a set of well-characterized biochemical hallmarks which include
cytolemmal blebbing, cell soma shrinkage, chromatin condensation, and DNA laddering.
20

[0055] "Immunomodulator" refers to an agent that induces an immunomodulatory effect
or alteration (i.e., immunosuppression, immunostimulation, etc.) as measured, for example,
by an alteration of virulence in mutated viruses or a variety of immunoassays well known in
the art (for example, chemotaxis assays as described herein). For example, in the present
25 invention, an immunomodulator may elicit an altered level of immune function, such that the
alteration in the level of immune function identifies a viral 2L polypeptide. An "anti-
inflammatory" agent is an immunomodulatory agent capable of decreasing the overall
inflammation or immune function upon administration to an individual.
30

Identification of 2L-TNF α Interface

[0056] From the crystal structure and analysis thereof, as described throughout and
specifically detailed in **Example I** and **Table 4**, the amino acid residues participating in the
35 2L-TNF α interface of the 2L-TNF α complex are identified as shown in **Table 1**.

65251/C766

[0057] **Table 1. Interactions between 2L and TNF α .** % ASA (accessible surface area) = percent of the total interface ASA contributed by each residue. Residues contributing less than 2% of interface ASA were excluded unless they are involved in hydrogen bonds or salt bridges (indicated by asterisks).

Table 1.

2L			TNF α		
2L Residue	Location	%ASA	Residue (subunit)	Location	
HIS58*	α 1 helix	4	TYR87	(B)	D-E loop
GLU99*	β 5 strand	6	ARG31	(A)	A-A' loop
GLU99*	β 5 strand		ARG32	(A)	A-A' loop
10 GLY101	β 5- β 6 loop	2	ARG31	(A)	A-A' loop
PHE104	β 6 strand	6	ASN30	(A)	A-A' loop
PHE104	β 6 strand		ARG31	(A)	A-A' loop
LYS125	β 7- β 8 loop	5	SER86	(B)	D-E loop
GLY157	α 2 helix	3	SER86	(B)	D-E loop
GLY157	α 2 helix		TYR87	(B)	D-E loop
15 TYR160	α 2 helix	9	ARG82	(B)	D strand
TYR160	α 2 helix		SER86	(B)	D-E loop
TYR160	α 2 helix		GLU127	(B)	F-G loop
MET161	α 2 helix	8	ASN34	(A)	A-A' loop
MET161	α 2 helix		ARG82	(B)	D strand
MET161	α 2 helix		VAL91	(B)	E strand
20 GLY162	α 2 helix	2	TYR87	(B)	D-E loop
LEU165	α 2 helix	3	ALA33	(A)	A-A' loop
LEU165	α 2 helix		VAL91	(B)	E strand
LEU168	α 2 helix	3	ARG32	(A)	A-A' loop
GLN171	α 2 helix	4	GLN21	(A)	A-A' loop
LYS175	α 2 helix	4	GLN21	(A)	A-A' loop
25 GLU225*	α 3 insertion	2	ARG44	(A)	B' strand
VAL229	α 3 insertion	5	GLU42	(A)	B' strand
VAL229	α 3 insertion		ARG44	(A)	B' strand
ASN230	α 3 insertion	7	ASN30	(A)	A-A' loop
ASN230	α 3 insertion		LEU37	(A)	A' strand
ASN230	α 3 insertion		LEU43	(A)	B' strand
GLY231	α 3 insertion	6	LEU37	(A)	A' strand
30 GLY231	α 3 insertion		VAL41	(A)	B' strand
GLY231	α 3 insertion		GLU42	(A)	B' strand
ARG232*	α 3 insertion	5	GLU42	(A)	B' strand
ARG232	α 3 insertion		ARG44	(A)	B' strand
GLU289	F-G loop	4	GLN27	(A)	A-A' strand
GLU289*	F-G loop		ARG31	(A)	A-A' strand

[0058] The analysis and modeling of the atomic coordinates (**Table 4**) of the 2L-TNF α crystal structure reveal that 2L binds to TNF α using a large and highly complementary interface as represented in **Figs. 2A, 2B, 2C**). The high (picomolar) affinity between 2L and

65251/C766

1 TNF α (Brunetti *et al.*, 2003, *PNAS*, 100:4831-4836) is rationalized by the properties of the
interaction. For example, the TNF α binding site on 2L spans a long (nearly 40 Å) distance,
and the total buried surface area at the 2L-TNF α interface (2060 Å², of which 1030 Å² are
5 contributed by 2L, and 710 Å² and 320 Å² are contributed by adjacent TNF α subunits in the
trimer) is considerably larger than the areas of typical protein-protein recognition interfaces
(1560-1700 Å²) (Jones *et al.*, 1996, *PNAS*, 93:13-20).

[0059] The interface also exhibits a high degree of complementarity as assessed by the
shape complementarity index, S_C , an index that varies from 0 (not complementary) to 1 (a
10 perfect fit) (Lawrence, 1993, *J Mol Biol.* 234: 946-950). The S_C value for the 2L-TNF α
interface is 0.72, indicating a more complementary interface than typical antibody-antigen
interfaces with S_C values of 0.64-0.68 (Lawrence, 1993, *J Mol Biol.* 234: 946-950). By
comparison, the TNFR1/TNF β interface has a lower shape complementarity index (S_C =
15 0.64), but buries a similar surface area (2120 Å², with 1090 Å² from TNFR1 and 530 Å² and
510 Å² from adjacent TNF β subunits).

[0060] Despite sharing only ~13% sequence identity with human class I MHC heavy
chains and lacking the β 2m light chain, the 2L protein adopts a class I MHC-like fold
20 including an α 1- α 2 superdomain, comprising an anti-parallel β -sheet topped by two α -
helices, and an α 3 domain with an immunoglobulin constant region β -sandwich fold (**Fig.**
2A). Disulfide bonds are found in the expected positions for class I MHC molecules and
homologs: linking the α 2 domain helix to the β -sheet floor of the α 1- α 2 platform, and
25 joining the two β -sheets in the α 3 domain. In addition, there is a disulfide bond near the C-
terminus joining residues separated by only three residues.

[0061] In a comparison with structures of classical class I MHC molecules and other
class I MHC homologs, including CD1, HFE, FcRn, ZAG, MIC-A, M10.5, T-22, RAE-1 and
30 viral class I homologs (UL18, m144 and m157), the α 1- α 2 superdomain of 2L was most
similar to that of a classical MHC protein, HLA-A2 with a root mean square deviation
(RMSD) of 1.4 Å for 104 C α atoms) (**Table 2**). However, in common with most class I
homologs (HFE, FcRn, MIC-A, T-22, RAE-1, and the viral class I homologs m144 and
m157), 2L does not contain a noticeable groove between its α 1 and α 2 domain helices
35 (groove surface area of 60 Å²) and no unexplained electron density was observed in this
region. In this regard, 2L is more similar to HFE and FcRn (groove surface areas of 415 Å²
and 235 Å², respectively)(Lebron *et al.*, 1998, *Cell*, 93:111-123), which do not present

65251/C766

1 endogenous peptides, than it is to classical peptide-binding class I MHC molecules (groove
surface areas of $\sim 760 \text{ \AA}^2$), the peptide-binding viral homolog UL18 (groove surface area of
900 $\text{ \AA}^2$), or the lipid-presenting CD1d1 protein (groove surface area of 1440 $\text{ \AA}^2$) (Yang,
2008, *PNAS*, 105: 10059-10100; Lebron *et al.*, 1998, *Cell*, 93:111-123 ; Olson *et al.*, 2005,
5 *PLoS Biol.*, 3: e257).

[0062] Table 2. Root mean square deviations (RMSD) for superpositions of the $\alpha 1$ - $\alpha 2$
platform of 2L with platforms of MHC and MHC-like molecules.

10

15

20

Protein	RMSD	C α s aligned	PDB code
HLA-A2	1.43 $\text{ \AA}$	104 atoms	2CLR
M10.5	1.45 $\text{ \AA}$	105 atoms	1ZS8
UL18	1.56 $\text{ \AA}$	105 atoms	3D2U
ZAG	1.69 $\text{ \AA}$	107 atoms	1ZAG
T22	1.70 $\text{ \AA}$	96 atoms	1C16
FcRn	1.73 $\text{ \AA}$	123 atoms	1EXU
CD1d1	1.75 $\text{ \AA}$	113 atoms	1CD1
HFE	1.77 $\text{ \AA}$	102 atoms	1A6Z
m144	1.81 $\text{ \AA}$	90 atoms	1U58
m157	1.83 $\text{ \AA}$	80 atoms	2NYK
MIC-A	1.85 $\text{ \AA}$	103 atoms	1HYR
RAE-1	1.91 $\text{ \AA}$	91 atoms	1JFM

Data Analysis of Crystal Structure

25

30

35

[0063] The structure of the 2L-bound TNF α trimer resembles its counterparts in
structures of unliganded TNF α (Eck and Sprang, 1989, *J Biol Chem*, 264:17595-17605) and
TNFR1-bound TNF β (Banner *et al.*, 1993, *Cell*, 73: 431-445)(**Fig. 6**) (RMSD of 0.91 $\text{ \AA}$ for
148 C α atoms for the TNF α -TNF α comparison, and 0.95 $\text{ \AA}$ for 134 C α atoms for the TNF β -
TNF α comparison), consisting of protomers with two antiparallel β -sheets with a jellyroll
folding topology. The relatively modest conformational changes in the 2L-bound TNF α
structure include movement of the A-A' loop (residues 31-35) located at the 2L binding site.
This different conformation permits two salt bridge interactions: 2L Glu99 with TNF α Arg31
and Arg32, and 2L Glu289 with TNF α Arg31 (**Fig. 3C**). The corresponding region of TNF β ,
residues 48-52, also exhibits changes in mainchain and sidechain torsion angles upon binding
TNFR1 (Banner *et al.*, 1993). Smaller changes were also observed in the other binding site
loops of TNF α , including residues 144-148 and 21-25 (**Fig. 6**). In one embodiment, a TNF α -
binding candidate compound confers a conformational change in residues 31-35 (ARG31,

65251/C766

1 ARG32, ALA33, ASN34, ALA35), residues 21-25 (GLN21, ALA22, GLU23, GLY24, GLN25), and residues 144-148 (PHE144, ALA145, GLU146, SER147, GLY148) of TNF α (SEQ ID NO: 14).

5 [0064] 2L binds to TNF α using residues from all three of its domains to interact with the region surrounding the shallow groove between adjacent TNF α subunits, burying loops D-E and A-A', which are also critical for TNF α binding to TNFR1 and TNFR2 (Mukai *et al.*, 2009, *J Mol. Biol.* 385: 1221-1229) and TNF β binding to TNFR1 (Banner *et al.*, 1993, *Cell*, 73:431-445) (Figs. 1, 3). A major component of the 2L-TNF α interface involves TNF α D-E
10 loop residues 86-87 from one subunit and A-A' loop residues 30-34 from the neighboring subunit interacting with 2L α 2 domain helix residues 157-175. For example, the sidechain of TNF α residue Tyr87 in the D-E loop, a critical residue for binding both TNFRs (Mukai *et al.*, 2009), contacts the kink in the 2L α 2 domain helix and forms a hydrogen bond with His58
15 from the α 1 domain helix. Some features of the TNF binding site for 2L and host TNFRs differ: G-H loop residues Asp143 and Ala145 and residues in the E-F loop, which are part of the TNF α binding site for TNFR1 (Loetscher *et al.*, 1993, *J Biol Chem*, 268: 26350-26357) do not contact 2L, and TNF α strand B', which interacts with the insertion in the 2L α 3
20 domain, is not part of TNF's binding site with host receptors.

[0065] Consistent with the observation that poxvirus 2L proteins show varying degrees of specificity for binding TNF α from different species (Rahman *et al.*, 2006, *J Biol Chem*, 281: 22517-22526, which is incorporated herein by reference), the TNF α binding site on 2L is less
25 conserved than the rest of the protein: 26% (5 of 19) of the binding site residues are conserved in 2L proteins from four or more poxviruses, compared with an overall conservation of 42% (125 of 299 residues) (Fig. 4). Sequence diversity at the binding site is likely related to adaptation of poxviruses to the TNF α of their host species. Similarly,
30 variability in classical class I MHC molecules primarily maps to a different location, the peptide-binding groove, resulting in distinct allele-specific peptide-binding preferences (Madden, 1995, *Annu Rev Immunol*, 13:587-622). Accordingly, in one embodiment, a TNF α -binding candidate compound is a 2L-derived polypeptide wherein the starting 2L
35 protein is YLDV 2L (SEQ ID NO: 1) or TPV 2L (SEQ ID NO: 2), and the candidate compound has at least one amino acid modified that is not one of the 2L interface residues. Upon modification, the residue position of the interface amino acids may be altered without necessarily imparting a change to the structure of the 2L interface or its binding to the TNF α

65251/C766

1 interface residues. Therefore, the positions of the amino acids at the interface need not necessarily correspond to the positions prior to modification, although it may be desirable for them to do so.

5 **[0066]** In another embodiment, a TNF α -binding candidate compound is a 2L-derived polypeptide wherein the starting 2L protein is YMTV 2L (**SEQ ID NO: 3**). YMTV 2L binds monkey TNF α with a binding affinity (K_d) of 230 picomoles, and binds human TNF α with a K_d of 440 picomoles (Rahman *et al.*, 2006). The binding affinity of YMTV 2L derived TNF α -binding candidate compounds for human TNF α may therefore be reduced as
10 compared with YLDV 2L or TPV 2L derived compounds, which can be advantageous in the treatment of certain immunomodulatory diseases.

[0067] Unlike naturally occurring host TNFRs, 2L does not bind to TNF β or other TNF family members (Brunetti *et al.* 2003, *PNAS*, 100:4831-4836). To better understand this
15 desirable specificity for binding TNF α , TNF β was superimposed on the 2L-TNF α structure (**Fig. 6**). Although mainchain atom steric clashes were not apparent, the specificity of 2L for TNF α may be related to the complementarity of acidic residues (2L Glu99 and Asp289) to basic residues in the TNF α A'-A'' loop (Arg31 and Arg32) (**Fig. 2C**), which are not present
20 in TNF β (**Fig. 5**). In addition, binding of TNF β may be prevented by different positions of the TNF D-E loops (residues 85-89 in TNF α ; 106-110 in TNF β), which differ by ~ 2.5 Å, as measured between the C α atoms of analogous residues (TNF α Tyr87 and TNF β Tyr108). It would therefore be desirable to preserve these 2L residues and/or the relative positions
25 thereof with reference to TNF α during any modification of the starting 2L sequence to form a candidate compound.

Candidate TNF α -Binding Compound

30 **[0068]** In one aspect of the invention, a method for designing a therapeutic TNF α binding candidate is provided. In one embodiment, the method comprises first providing a 2L protein having an amino acid sequence of **SEQ ID NOs: 1, 2, or 3**. The method then comprises modifying the 2L protein without modification to any of the 2L interface residues, which are:
35 GLY162, LEU165, LEU168 or PHE168, GLN171, LYS175, GLU225, VAL229, ASN230, GLY231, ARG 232, and GLU289, wherein MET 161 and LEU168 correspond to **SEQ ID**

1 **NOs: 1-2** (YLDV and TPV 2L) and ALA161 and PHE168 correspond to **SEQ ID NO: 3**
(YMTV 2L).

5 **[0069]** In another embodiment of the method, similar, or equivalent amino acids may be substituted for those disclosed above at the 2L-TNF α interface. Conservative substitutions include substitutions within the following groups: glycine, alanine, valine, isoleucine, and leucine; aspartic acid, glutamic acid, asparagine, and glutamine; serine and threonine; lysine and arginine; and phenylalanine and tyrosine.

10 **[0070]** In the foregoing aspect of the invention, it is desirable that the candidate either binds to the TNF α interface residues participating in the 2L-TNF α interface or prevents binding of a TNFR to the TNF α interface residues participating in the 2L-TNF α interface. The TNFR may be TNFR1. The TNF α -binding candidate may include the amino acid
15 residues shown in **Table 1**, having at least 2% accessible surface area (ASA) or contributing to hydrogen bonds or salt bridges.

[0071] In another aspect of the invention, a method for designing a TNF α -binding candidate is provided wherein the method comprises providing a candidate that has a shape complementarity index, (S_c) value that is from 0.64 to 0.78. It should be noted that the S_c for TNFR1/TNF β is 0.64, and S_c for typical antibody-antigen interfaces is from 0.64 to 0.68 (Lawrence, 1993, *J Mol Biol.* 234: 946-950). The candidate compound may have an S_c value that is from 0.64 to 0.72 or about 0.72. The candidate compound may have an S_c value that is
20 from 0.65 to 0.78, from 0.66 to 0.78, from 0.67 to 0.78, from 0.68 to 0.78, from 0.69 to 0.78, from 0.70 to 0.78, from 0.71 to 0.78, from 0.72 to 0.78, from 0.73 to 0.78, from 0.74 to 0.78, from 0.75 to 0.78, from 0.76 to 0.78, or from 0.77 to 0.78.
25

[0072] In one aspect of the invention, a method for designing a candidate TNF α -binding compound is provided wherein the candidate binds to TNF α amino acid residues TYR87, ARG31, ARG32, ASN30, SER86, ARG82, GLU127, ASN34, VAL91, ALA33, VAL91, GLN21, ARG44, GLU42, LEU37, LEU43, VAL41, and GLN27.
30

[0073] In one embodiment, a method for designing a candidate TNF α -binding compound is provided wherein the candidate amino acid sequence is not a 2L protein, but includes the atomic coordinates of the 2L interface of **Table 1** and **Table 4** within an acceptable 1.0 Angstrom root mean square deviation (RMSD) (Baber *et al.*, 2009, *J. Chem. Inf. Model.*, 49
35 (8): 1889–1900).

65251/C766

1 [0074] In one embodiment, a method for designing a candidate TNF α -binding compound
is provided wherein starting with a 2L protein sequence (e.g. **SEQ ID NOs: 1, 2 or 3**), the
candidate amino acid sequence is provided to a webserver that predicts potential MHC class I
5 epitopes from a peptide sequence (e.g. the SYFPEITHI web server). Of the amino acids
predicted to be epitopes, those which participate in the 2L-TNF α interface, or which form
part of the scaffold proximal and/or crucial to the interface, can be modified, but modification
may not be desired given their critical role for 2L binding to TNF α . Accordingly,
10 modification of the 2L polypeptide may at least initially be guided by modifying those amino
acids that are predicted to fall within an MHC I epitope and are not in the 2L interface
(**Example 1**). With respect to epitopes, mutation of one residue can eliminate the epitope
(Griffith *et al.*, 1987, *J of Immunol.*, 138: 4480-4483; Smahel *et al.*, 2008, *Cancer Immunol,*
15 *Immunotherapy*, 57: 823-831). Similarly, in another embodiment, a 2L peptide sequence is
provided to a webserver that predicts MHC II and/or B-cell epitopes.

Expression/Purification of 2L-Derived TNF α Binding Candidates

20 [0075] TNF α binding candidate DNA constructs are made as disclosed (Rahman *et al.*,
2009 *Virology* 386:462-468, which is incorporated herein by reference). A DNA plasmid,
for example, plasmid pcDNA-2L, contains the complete YLDV 2L (**SEQ ID NO: 4**), TPV
2L (**SEQ ID NO: 5**) or YMTV 2L (**SEQ ID NO: 6**) open reading frame. The desired
25 mutated sequences are PCR amplified with specific oligonucleotide primers using a DNA
polymerase (e.g. Pfu DNA polymerase, Stratagene, La Jolla, CA), and the pcDNA 2L as
template.

[0076] The TNF α candidate plasmids are transferred into an expression vector for
30 transfection and expression in an expression system. For example, the pcDNA plasmid is
transferred into pFastBac1 plasmid, (Invitrogen, Carlsbad, CA) and recombinant
baculoviruses are produced using the Bac-to-Bac expression system following the
manufacturer protocols. In brief, the plasmids are transformed into competent DH10Bac
bacteria where a transposition event generated the corresponding recombinant bacmids. The
35 purified bacmid DNA are transfected into Sf21 insect cells and the recombinant
baculoviruses are harvested from the cell culture supernatant 3-5 days after transfection.

65251/C766

Screening for Compounds That Bind to TNF α Interface Residues

[0077] The 2L- TNF α crystal structure as disclosed herein is useful in methods of creating or identifying candidate compounds using a structure-based approach. As is known in the art, screens to identify agonist and antagonist molecules for TNF α can be used. Accordingly, using the methods as disclosed, for example, in Kolb *et al.*, 2009, *PNAS*, 106: 6843-6848 and Casey *et al.*, 2009, *J Chem Inf Model*, 49: 2708-2717, a test compound that binds to TNF α at the TNF α interface residues or prevents binding of hTNFR1 and/or hTNFR2 to the TNF α interface residues can be identified as a therapeutic candidate compound. The test compound can optionally confer a desired conformational change an/or have a desired binding affinity. The test compound may be a small molecule, polypeptide, protein, aptamer, antibody, fusion protein or nucleic acid comprised of naturally occurring or artificial constituents. In one embodiment, a test compound is screened for its ability to bind the TNF α interface residues TYR87, ARG31, ARG32, ASN30, SER86, ARG82, GLU127, ASN34, VAL91, ALA33, VAL91, GLN21, ARG44, GLU42, LEU37, LEU43, VAL41, and GLN27.

Modification of TNF α Candidate Compound

[0078] In one embodiment, a modification is made to a 2L-derived TNF α -binding candidate comprising modifying one or more of any residue of a 2L protein (**SEQ ID NOs: 1-3**) that is not in the 2L interface. The modification may cause the candidate to have increased or decreased TNF α binding activity compared to the original 2L protein, wherein the reduction or increase in the activity is a direct result of the modification to the amino acid residues not in the 2L interface.

[0079] In one embodiment, a candidate compound designed in accordance with the present invention may be made by any means known in the art. For example, PCR can be used to generate a polynucleotide comprising codons that result in a mutation in one or more of the corresponding non-interface 2L amino acid residues. Commercial kits are also available for producing mutants, such as QuikChangeTM (Stratagene, La Jolla, CA). In addition, site directed mutagenesis may be employed, as well as chemical synthesis. The skilled artisan is well versed in the methods available for producing the polynucleotides and polypeptides of the present invention.

65251/C766

Affinity Binding of Candidate Compounds

[0080] The affinity of the candidate compound to TNF α is measured using one of several methods known in the art. For example, (Rahman *et al.*, 2006, *J Biol Chem* 281:22517-22526) recombinant candidate proteins are immobilized at low densities of ~ 500 RU on CM5 chips and varying concentrations of TNF alpha protein is applied to the chips. Following an association period of 120 seconds, running buffer HBS-EP is injected to monitor the dissociation phase of binding. In one embodiment, the candidate binding compound has an affinity to TNF α of from about 43 picomoles (pm) to 440 pm (Rahman *et al.* 2006, *J Biol Chem*, 281: 22517-22526). In one embodiment, the candidate binding compound of the present invention has a binding affinity to TNF α of from about 40 pm to about 445 pm. Alternatively, the candidate TNF α -binding compound has a K_d value that is from 40 pm to 440 pm, from 40 pm to 430 pm, from 40 pm to 420 pm, from 40 pm to 410 pm, from 40 pm to 400 pm, from 40 pm to 390 pm, from 40pm to 380 pm, from 40 pm to 370 pm, from 40 pm to 360 pm, from 40 pm to 350 pm, from 40 pm to 340 pm, from 40 pm to 330 pm, from 40 pm to 320 pm, from 40 pm to 310 pm, from 40 pm to 300 pm, from 40 pm to 290 pm, from 40 pm to 280 pm, from 40 pm to 270 pm, from 40 pm to 260 pm, from 40 pm to 250 pm, from 40 pm to 240 pm, from 40 pm to 230 pm, from 40 pm to 220 pm, from 40 pm to 210 pm, from 40 pm to 200 pm, from 40 pm to 190 pm, from 40 pm to 180 pm, from 40 pm to 170 pm, from 40 pm to 160 pm, from 40 pm to 150 pm, from 40 pm to 140 pm, from 40 pm to 130 pm, from 40 pm to 120 pm, from 40 pm to 110 pm, from 40 pm to 100 pm, from 40 pm to 90 pm, from 40 pm to 80 pm, from 40 pm to 70 pm, from 40 pm to 60 pm, or from 40 pm to 50 pm.

[0081] In an alternative embodiment, the candidate binding compound of the present invention decreases the binding affinity to TNF α . For example, a method for decreasing affinity to TNF α compared to any of the full length 2L proteins may be desired in order to attenuate binding. As such, in one embodiment, a method for a 2L-derived candidate compound is provided comprising modifying one or more amino acid residues of a 2L protein within the 2L interface residues. In another embodiment, a 2L-derived candidate compound that has decreased binding to TNF α compared to 2L, has a modification in one more amino acid residues of the 2L interface in addition to one or more amino acid residues that do not participate in the 2L interface.

Competitive Binding

[0082] To determine the binding preference for a candidate TNF α binding compound with respect to known TNF α binding proteins, *e.g.* 2L, TNFR2, etc, a competitive binding assay is used. Competitive/inhibition binding assays are known in the art. A preferred ELISA method for determining candidate TNF α binding compounds and their affinity by competitive inhibition is disclosed in Brunetti *et al.* 2003, *PNAS*, 100:4831-4836. In one embodiment, the candidate TNF α -binding compound of the present invention competitively inhibits the binding of TNF α to TNFR2. In one embodiment, the competitive binding of the candidate compound inhibits the binding of TNF α to TNFR1 at least 30%, preferably at least 50%, more preferably at least 75%, and most preferably at least 95% compared to 2L polypeptide.

Therapeutic Methods Employing TNF α Candidate Binding Compound

[0083] The invention includes methods of treating or preventing immunological disorders by using immunomodulatory agents. 2L-derived TNF α binding polypeptides identified in the present invention that exhibit anti-cytokine activity, anti-inflammatory activity, and/or exhibit a decrease in leukocyte chemotaxis activity are considered particularly useful in the invention; such polypeptides may be used, for example, as therapeutics to decrease the immunoreactivity in an individual with rheumatoid arthritis. Other immunological disorders that may be treated using an immunosuppressive agent, or an agent that reduces the immune function, include acute inflammation, allergic reactions, asthmatic reactions, inflammatory bowel diseases (*i.e.*, Crohn's Disease and ulcerative colitis), transplant rejection, and restenosis. Alternatively, a polypeptide that enhances or induces apoptosis may be used in the treatment of tumors.

[0084] Treatment or prevention of diseases resulting from an immunomodulatory disorder is accomplished, for example, by modulating the function of an immunoregulatory protein by delivering a 2L-derived TNF α candidate protein to the appropriate cells. It is also possible to correct an immune defect by modifying the physiological pathway (*e.g.*, a signal transduction pathway), in which the immunoregulatory protein participates, by delivering a TNF α candidate protein or nucleic acid molecule to the appropriate cells.

[0085] Direct administration of a recombinant TNF α protein, nucleic acid molecule, antibody, or compound, either to the site of a potential or actual disease-affected tissue (for example, by injection), or systemically for treatment of, for example, an autoimmune or

65251/C766

1 inflammatory disorder, can be performed accordingly to any conventional recombinant
protein administration technique known in the art or described herein. The actual dosage
depends on a number of factors known to those of ordinary skill in the art, including the size
and health of the individual patient, but generally, between 0.1 mg and 100 mg inclusive are
5 administered per day to an adult in any pharmaceutically-acceptable formulation.

[0086] A TNF α immunomodulator, antiinflammatory agent, or anticarcinogen may be
administered with a pharmaceutically-acceptable diluent, carrier, or excipient, at a
pharmaceutically effective dose. Conventional pharmaceutical practice may be employed to
10 provide suitable formulations or compositions to administer TNF α candidate compounds to
patients suffering from an immunomodulatory disorder. Any appropriate route of
administration may be employed, for example, parenteral, intravenous, subcutaneous,
intramuscular, intracranial, intraorbital, ophthalmic, intraventricular, intracapsular,
15 intraspinal, intracisternal, intraperitoneal, intranasal, aerosol, or oral administration.
Therapeutic formulations may be in the form of liquid solutions or suspensions; for oral
administration, formulations may be in the form of tablets or capsules; and for intranasal
formulations, in the form of powders, nasal drops, or aerosols.

[0087] Methods well known in the art for making formulations are found in, for example,
20 "Remington's Pharmaceutical Sciences, supra." Formulations for parenteral administration
may, for example, contain excipients, sterile water, or saline, polyalkylene glycols such as
polyethylene glycol, oils of vegetable origin, or hydrogenated naphthalenes. Biocompatible,
biodegradable lactide polymer, lactide/glycolide copolymer, or polyoxyethylene-
25 polyoxypropylene copolymers may be used to control the release of the compounds. Other
potentially useful parenteral delivery systems for TNF α candidate immunomodulatory
compounds include ethylene-vinyl acetate copolymer particles, osmotic pumps, implantable
infusion systems, and liposomes. Formulations for inhalation may contain excipients, for
30 example, lactose, or may be aqueous solutions containing, for example, polyoxyethylene-9-
lauryl ether, glycocholate and deoxycholate, or may be oily solutions for administration in the
form of nasal drops, or as a gel.

35 Animal Models

2L-derived TNF α binding immunomodulators of this invention and other compounds
found to be effective at the level of protein expression or activity are tested in animal models,
for efficacy in treating, for example, autoimmune and inflammatory diseases and cancer. In

one embodiment, a method of testing a candidate TNF α -binding compound is provided, comprising: selecting a candidate compound that binds to TNF α ; assaying the compound for a disease in an animal model for the disease; and, determining if the compound decreases the disease in the animal model in comparison to known compounds (*i.e.* control inhibitors)--*e.g.* TNF α antibodies, as described (U.S. 7,070,775) and etanercept, (Enbrel™) (U.S. 5,712,155).

[0088] Animal models for testing the immunomodulatory effects of candidate compounds are well known in the art. Therefore, the present invention refers to a selection of animal models that can be used to test the candidate compounds of the invention. Animal models proposed for use in the present invention to test candidate compounds for their efficacy in treating autoimmune and inflammatory disorders include, but are not limited to:

Acute Inflammation:

[0089] Animal models of acute inflammation are targeted for initial and rapid drug efficacy screening, and for their potential predicative value of outcomes in chronic inflammatory diseases. The following animal models can be used to test the candidate compounds of the present invention for their efficacy in treating acute inflammation: 1) carrageenin-induced inflammation model; 2) turpentine-induced inflammation model; 3) transgenic HLAB-27 inflammation model; and 4) ear-scratch model of inflammation.

Rheumatoid Arthritis: Rat, Mouse, Rabbit

[0090] Efficacy in Rheumatoid Arthritis evaluated in: 1) various antigen-induced arthritis models in rabbit, rat, and mouse; and 2) in transgenic rheumatological models.

[0091] The molecular and cellular mechanisms of action of the candidate compounds are evaluated by testing their efficacy in influencing key intracellular mechanisms that regulate degradative processes involved in joint disease. Important molecular and cellular mechanisms that receive particular attention include signaling events regulating disease processes such as increased angiogenesis, synovial hyperplasia, and matrix metalloprotease expression. These processes have been implicated in cartilage degradation in arthritic diseases.

[0092] 1. Collagen-induced Arthritis: Rat, Mouse, Rabbit

Autoimmune-mediated polyarthritis can be induced in certain strains of rodents (rat, mouse and rabbit) and non-human primates by immunizing them with native type II collagen. The collagen-induced arthritis model is widely used and well characterized. Collagen-induced arthritis is mediated by susceptibility to autoantibodies which bind to a particular region of type II collagen. The mechanism of induction is linked to MHC-class II molecules but also depends on the species of type II collagen used for immunization.

65251/C766

1 **[0093]** 2. *Ovalbumin-induced Arthritis; Rabbit*

Candidate compounds are tested for efficacy in decreasing signs and symptoms of ovalbumin arthritis. Polyarthritis is induced in rabbits by immunizing them with Ovalbumin.

5 **[0094]** 3. *Adjuvant-induced Arthritis: Rat, Mouse, Rabbit*

Candidate compounds are tested for the efficacy in decreasing signs and symptoms of adjuvant-induced arthritis. Polyarthritis is induced in certain strains of rodents by immunizing them with Freud's Adjuvant.

10 **[0095]** 4. *Streptococcal Cell Wall-induced Arthritis: Rat*

Candidate compounds are tested for efficacy in decreasing signs and symptoms of streptococcal cell wall-induced arthritis. Chronic, erosive polyarthritis is induced by intraperitoneal injection of an aqueous suspension of cell wall fragments isolated from group A streptococci.

15 **[0096]** Transplant Rejection (Acute and Chronic)

Efficacy in transplant rejection is evaluated in various models of graft vascular disease (GVD). GVD is the most common cause of late graft failure in solid organ transplantation. GVD or graft atherosclerosis is characterized by plaque formation and fibrosis in small vessels. The development of graft vascular disease has been associated with acute allograft rejection, ischemia-reperfusion injury, and bacterial or viral infections. The common pathway of these postoperative insults results in perivascular inflammation which triggers migration of mesenchymal cells into the vessel wall, eventually resulting in occlusion or partial occlusion of the vessel lumen.

25 **[0097]** 1. *Aortic Allograft Model: Rat, Rabbit, Monkey*

Candidate compounds are tested for efficacy in reducing graft atherosclerosis and transplant rejection in a model of vascular injury after transplantation of aortic segments performed in certain strains of MHC mismatched rats, monkeys, and rabbits.

30 **[0098]** 2. *Tracheal Allograft Model: Rat, Rabbit, Monkey*

Candidate compounds are tested for efficacy in reducing graft atherosclerosis and transplant rejection in a model of vascular injury after transplantation of tracheal segments performed in certain strains of MHC mismatched rats, rabbits, and monkeys.

35 **[0099]** 3. *Heterotopic Heart Transplant: Mouse, Rat, Monkey*

A heterotopic heart transplantation is performed in MHC mismatched animals. In this model, animals are treated with cyclosporine A for only the first 7 days after transplantation are

65251/C766

1 allowed to develop graft vascular disease, and are then analyzed after sacrifice at postoperative day 90.

[00100] 4. *Orthotopic Kidney Transplant: Mouse, Rat, Monkey*

5 An orthotopic kidney transplantation is performed in MHC mismatched animals. In this model, animals receiving subtherapeutic doses of cyclosporine A for the first 10 days after transplantation are allowed to exhibit features of chronic renal allograft rejection in 70% of cases, and are then analyzed after sacrifice at postoperative day 90.

[00101] 5. *Orthotopic Lung Transplant: Rat, Monkey*

10 Candidate compounds are tested for effectiveness in delaying or reducing signs and symptoms of organ rejection after lung whole organ transplantation in rats and monkeys.

[00102] 6. *Reperfusion Injury: Rat*

15 The immediate postoperative course in clinical lung transplantation is often severely impaired by delayed graft function as a result of ischemia and reperfusion injury. Preventive efficacy of drug candidates in ischemia-reperfusion injury is evaluated using a model of acute in vivo double lung transplantation in the rat (Hausen et al., *Ann. Thorac. Surg.* 61:1714-9, 1996 incorporated herein by reference).

[00103] Restenosis

20 Candidate compounds are tested for efficacy in reducing atherosclerotic plaque deposition in a model of coronary restenosis after balloon angioplasty. Atherosclerotic plaque formation is critically involved in vascular occlusion and has been linked to excessive inflammatory and thrombotic response to arterial injury.

25 [00104] Asthma: Rodent

The effectiveness of candidate compounds in reduction of signs and symptoms of asthma is evaluated in rodent models of antigen-induced experimental airways inflammation. The models include:

30 [00105] 1. *Ovalbumin-induced Experimental Airways Inflammation: Rodent*

Candidate compounds are tested for efficacy in reducing inflammatory cell components in the bronchoalveolar lavage of the lungs after aerosol challenge in ovalbumin-sensitized rodent models of experimental airways inflammation.

35 [00106] 2. *Ovalbumin-induced Allergic Sensitization in Presence of GM-CSF Transgene Expression: Mice*

Candidate compounds are tested for efficacy in reducing inflammatory cell components in the

65251/C766

1 bronchoalveolar lavage of the lungs of mice after ovalbumin aerosol challenge in the context
of local expression of GM-CSF (Staempfli et al., *J. Clin. Invest.*, Vol. 102:9, 1704-1714).

[00107] Inflammatory Bowel Disease (IBD): Mice and Rats

5 Drug candidates are evaluated for their potential therapeutic efficacy in ulcerative colitis or
Crohn's disease utilizing various models of antigen-induced and genetically-mediated
spontaneous chronic intestinal inflammation in mice and rats. Examples include:

[00108] *1. Dextran Sulfate Sodium Induced IBD: Mice*

10 Chronic, irreversible clinical symptoms of IBD are induced by treating mice with an oral
administration of dextran sulfate sodium.

[00109] *2. Gene Deletion and Transgenic Models for IBD: Rodent*

15 Compound efficacy will be tested in transgenic rodent lines which develop symptoms closely
resembling the human elements of inflammatory bowel disease. Models include, the targeted
deletion of the genes encoding IL-2, IL-10, TGF beta, T-cell receptor alpha/beta, keratin 8,
Gi2 alpha. In addition, animals expressing transgenes for the human WA-B27 and HLA-B27
as well as a dominant negative construct which functionally blocks N-cadherin will be tested.

[00110] Uveitis

20 Drug candidates will be evaluated for efficacy in various animal models of uveitis. Key
models include both, experimental autoimmune uveitis and adoptively transferred
experimental autoimmune uveitis.

[00111] *1. Experimental Autoimmune Uveitis (EAU)*

25 EAU is a T-cell mediated inflammatory eye disease that can be induced in several
mammalian species by immunization with ocular-specific antigens (Gery et al., *Invest.*
Ophthalmol. Vis. Sci., 27: 1296-1300, 1986, Sanui et al., *J. Exp. Med.*, 169:1947-1989,
incorporated herein by reference). This experimental disease is considered a model for a
family of inflammatory eye diseases in humans and has been used to examine numerous
modalities before their human testing.

30 **[00112]** *2. Adoptively Transferred Experimental Autoimmune Uveitis*

Adoptively transferred EAU is induced through injection of lymphocytes presensitized
against the retinal antigen are injected into naive syngenic recipients (McAllister et al., *J.*
Immunol., 138:1416-1420, 1987 incorporated herein by reference).

EXAMPLES

1. Modified 2L Polypeptide

[00113] YLDV 2L amino acid sequence (SEQ ID NO: 1) was provided to the SYFPEITHI webserver. YLDV 2L residues 218-226 (ESEHFKGEY) are predicted to bind to MHC class I molecule HLA-A*01. The amino acids in positions 3 and 9 of this peptide fragment, E220 and Y226, respectively, are important to binding to HLA-A*01 (Falk et al., 1994, *Immunogenetics*, 40: 238-241). Examining the 2L-TNF crystal structure (Table 1 and Table 4), one can determine that changing TYR226 may be problematic since it appears to form part of a hydrophobic core stabilizing the 2L protein. On the other hand, GLU220 does not appear to have any structural role and does not contact TNF α . Thus one could predict that the mutant 2L protein E220S wherein a serine (SER) is substituted for the glutamic acid (GLU), would be stable, bind strongly to TNF-alpha, and have one less potential epitope for HLA-A*01.

2. Crystal Structure of 2L-TNF α Complex

[00114] Materials and Methods for purification of complexed 2L-TNF α protein crystal.

The gene for 2L was isolated by PCR from the Yaba-like disease virus (ATCC number VR-937) using a forward primer 2LF (SEQ ID NO: 7):

CATGGATAAGTTACTATTATTAGCAC and reverse primer 2LR (SEQ ID NO: 8):

TCAGTCTTCTTCATCCTCTTCACCTTCC. A C-terminally His-tagged version of 2L

lacking six C-terminal residues (residues 1-316 of the mature protein) (SEQ ID NO: 18) was amplified by PCR using a forward primer JY152 (forward primer, with kozaq sequence and BamHI site) (SEQ ID NO: 9):

CGCGGATCCCCTATAAATATGGATAAGTTACTATTATTAGC and the reverse primer, JY154 (reverse primer stops at aa 332, with XhoI site) (SEQ ID NO: 10)

CCGCTCGAGACCTTCTCCTTCTTCTGTTTTTCTATATAG. This C-terminally His-

tagged 2L protein was subcloned into a dicistronic baculovirus transfer vector, pAcUW31 (PharMingen) subcloned with the human β 2m gene. His-tagged 2L and β 2m (both included native hydrophobic leader sequences) were expressed together in baculovirus-infected insect cells (Hi5 cells). In the numbering system used herein for 2L, the first amino acid of the mature 2L chain is residue 1; a previous numbering system, which started at the initial

65251/C766

methionine of the signal peptide, refers to this residue as 17 (Brunetti *et al.*, 2003, *PNAS*, 100: 4831-4836; Rahman *et al.*, 2006, *J Biol Chem*, 281:22517-22526; Rahman *et al.*, 2009, *Virology*, 386: 462-468). 2L was purified by nickel-NTA and gel filtration chromatography as a monomer lacking detectable β 2m. An N-terminally His-tagged form of human TNF α (residues 6-157, numbered as in PDB entry 1TNF) (SEQ ID NO: 11) was amplified from an IMAGE TNF α cDNA clone using the TNF forward primer, (SEQ ID NO: 12) GACCATATGGGCAGCCATCATCATCATCACCGAACCCCGAGTGACAAGCCT G and TNR reverse primer, (SEQ ID NO: 13) GACCTCGAGTCACAGGGCAATGATCCCAAAG was expressed in the *E. Coli* cytoplasm using the expression vector pET23a (Novagen, EMD, Gibbstown, NJ), and soluble TNF α (SEQ ID NO: 14) was purified from bacterial lysates by nickel-NTA and gel filtration chromatography.

[00115] Purified 2L and TNF α trimer were mixed at a 3:1 molar ratio and passed over a S200 16/60 gel filtration column in 20 mM Tris pH 7.5, 150 mM NaCl. The 2L-TNF α complex was isolated and then concentrated to 14 mg/ml and used to set up crystallization trials by hanging drop vapor diffusion. Crystals were obtained in 7-12% PEG 6K, sodium citrate pH 5.0-5.5, 0.2 M NaBr in monoclinic space group $P2_1$ ($a = 101.7$, $b = 170.3$, $c = 122.0$, $\beta = 92.04^\circ$) with two 3:1 2L:TNF α complexes per asymmetric unit. The crystal used for data collections had been soaked in 0.5 mM methylmercury chloride, but no heavy atoms were found in the refined structure.

[00116] **Structure Analysis.** Data were processed using HKL2000 (Otwinowski *et al.*, 1997, *Meth Enzymol*, 276: 307). The structure was determined by molecular replacement using a TNF α (Eck and Sprang, 1989, *J Biol Chem*, 264: 17595-17605) search model followed by location of 2L molecules using the coordinates of the α 1- α 2 platform of ZAG (PDB code 1T7V) (Delker *et al.*, 2004, *J Struct Biol*, 148: 205-213) in a real space search (Sanchez *et al.*, 1999, *Science*, 283: 1914-1919) (Table 3). After rigid-body refinement McCoy *et al.*, 2007, *J Appl Cryst*, 40: 658), rebuilding was done using the program O (Jones *et al.*, 1997, *Methods Enzymol*, 277: 173) and $2F_o - F_c$ annealed omit maps, alternating with refinement using CNS (Brunger *et al.*, 1998, *Acta Crystallogr D Biol Crystallogr*, 54: 905-921). Non-crystallographic symmetry (NCS) restraints (300 kcal/mol) and group B factor refinement were used during refinement. The final model consisted of six NCS-related sets of atoms: 2L residues 1-299, TNF α residues 6-157, 16 water molecules, and 42 atoms of carbohydrate (ordered carbohydrate attached to 2L residues Asn6, Asn52, and Asn83, but not

65251/C766

to Asn197, the final potential N-linked glycosylation site in the 2L sequence). The following cysteine pairs were disulfide bonded: 2L 97-163 (difference Fourier maps indicated some radiation-induced breakage of this bond (Burmeister, 2000, *Acta Crystallogr D Biol Crystallogr*, 56: 328-341), 202-281, 295-299, and TNF α 69-101. 2L residues 300-316, its C-terminal His-tag, and the N-terminal His-tag of TNF α were disordered.

[00117] For analysis of contacts and buried surface areas, the 2L α 1- α 2 platform was defined as residues 1-179 and the α 3 domain was defined as residues 180-299. The CCP4 program AREAIMOL (CCP4, 1994, *Acta Crystallogr D Biol Crystallogr*, D50: 760-763) was used to calculate buried surface areas using a 1.4 Å probe. To identify interacting residues, a maximum distance of 4.0 Å for van der Waals interactions was used. Shape complementarity indices (S_C) were calculated as described (Lawrence, 1993, *J Mol Biol*, 234: 946-950) using the S_C program in CCP4 (CCP4, 1994, *Acta Crystallogr D Biol Crystallogr*, D50: 760-763). Groove surface area calculations were performed as previously described (Lebron *et al.*, 1998, *Cell*, 93: 111-123; Zeng *et al.*, 1997, *Science*, 277: 339-345). Structural superpositions were performed using LSQMAN (Kleywegt, 1996, *Acta Cryst D Biol Crystallogr*, 52: 842-857). Figures were prepared with MOLSCRIPT (Kraulis, 1991, *J Appl Crystallogr*, 24: 946), RASTER-3D (Merritt *et al.*, 1994, *Acta Crystallogr D Biol Crystallogr*, 50:869-873), and PyMOL (DeLano, 2002, *The PyMOL Molecular Graphics System*, Delano Scientific, San Carlos, Ca). The domain angle displacement for the 2L α 3 domain relative to the HLA-A2 α 3 domain ($\sim 42^\circ$) was calculated by measuring the angle between the long axes of each domain after alignment of the α 1- α 2 platforms of both molecules. The long axes of the α 3 domains were defined using the coordinates of 2L residues Gly176 and Asn191 and HLA-A2 residues Glu177 and His192. The second rotation angle ($\sim 40^\circ$) relating the α 3 domains was estimated using the angle defined by 2L Arg270 and Asn191 and HLA-A2 Val248.

Table 3. Data collection and refinement statistics

Space group	$P2_1$
Unit cell (Å, degrees)	101.7, 170.3, 122.0, 90, 92.04, 90
Data collection	
Resolution (Å)	50.0-2.80 (2.90-2.80)
Number of observations	368612
Unique reflections	99161
% Complete*	96.8 (81.0)
$I/\sigma I$	16.5 (2.3)

65251/C766

1	$R_{\text{merge}}(\%)^{\dagger}$	8.1 (47.2)
	Refinement	
	Resolution (Å)	50.0-2.80
	Reflections in working set $ F >0$	93732
5	Reflections in test set $ F >0$	4965
	$R_{\text{cryst}}(\%)^{\ddagger}$	23.6
	$R_{\text{free}}(\%)$	26.6
	No. of protein atoms	21654
	No. of water molecules	96
	No. of other atoms (carbohydrate)	252
10	Model geometry	
	rmsd bond length (Å)	0.007
	rmsd angles (deg)	1.48
	Ramachandran plot	
	most favored region (%)	80.4
	additional allowed region (%)	14.5
15	generously allowed region (%)	4.0
	disallowed region (%)	1.0

Table 3. Values in parentheses indicate the high-resolution shells. * Complete is the number of independent reflections/total theoretical number. $^{\dagger}R_{\text{merge}}(I) = (\sum I(i) - \langle I \rangle) / \sum I(i)$, where $I(i)$ is the i th observation of the intensity of the hkl reflection and $\langle I \rangle$ is the mean intensity from multiple measurements of the h,k,l reflection. $^{\ddagger}R_{\text{cryst}}(F) = \sum_h ||F_{\text{obs}}(\mathbf{h})| - |F_{\text{calc}}(\mathbf{h})|| / \sum_h |F_{\text{obs}}(\mathbf{h})|$, where $|F_{\text{obs}}(\mathbf{h})|$ and $|F_{\text{calc}}(\mathbf{h})|$ are the observed and calculated structure factor amplitudes for the h,k,l reflection. R_{free} is calculated over reflections in a test set not included in atomic refinement.

[00118] In summary, methods are disclosed for identifying a candidate TNF α -binding compound utilizing the structure, specifications and amino acid residues elucidated from the 2L-TNF α crystal structure. Methods are disclosed for assaying candidate TNF α -binding compounds for decreasing TNF α -mediated disease.

[00119] While the present invention has been illustrated and described with reference to certain exemplary embodiments, those of ordinary skill in the art will understand that various modifications and changes may be made to the described embodiments without departing from the spirit and scope of the present invention, as defined in the following claims.

65251/C766

Table 4. Coordinates for the YLDV 2L-TNF α complex crystal structure

REMARK coordinates from minimization refinement	ATOM 45 CE LYS A 6	-17.487	5.729	27.666	1.00	60.12	A
REMARK refinement resolution: 50.0 - 2.8 Å	ATOM 46 NZ LYS A 6	-17.213	6.816	26.677	1.00	61.31	A
REMARK starting $r = 0.2382$ free $r = 0.2663$	ATOM 47 C LYS A 6	-19.026	1.491	23.372	1.00	43.02	A
REMARK final $r = 0.2362$ free $r = 0.2658$	ATOM 48 O LYS A 6	-18.896	0.373	23.853	1.00	46.90	A
REMARK rmsd bonds= 0.007428 rmsd angles= 1.48430	ATOM 49 N PRO A 7	-18.661	1.767	22.115	1.00	48.03	A
REMARK wa= 4.25322	ATOM 50 CD PRO A 7	-18.940	2.909	21.239	1.00	32.31	A
REMARK target= mlf cycles= 1 steps= 200	ATOM 51 CA PRO A 7	-18.062	0.659	21.361	1.00	46.07	A
REMARK sg= P2(1) a= 101.656 b= 170.295 c= 122.002 alpha= 90.0 beta= 92.037 gamma= 90.0	ATOM 52 CB PRO A 7	-17.802	1.259	19.966	1.00	34.31	A
REMARK parameter file 1 : CNS_TOPPAR:protein_rep.param	ATOM 53 CG PRO A 7	-17.866	2.729				
REMARK parameter file 2 : CNS_TOPPAR:carbohydrate.param	20.173	1.00	33.18	A			
REMARK parameter file 3 : CNS_TOPPAR:water.param	ATOM 54 C PRO A 7	-16.774	0.277	22.101	1.00	44.13	A
REMARK molecular structure file: generate.mtf	ATOM 55 O PRO A 7	-15.997	1.144	22.524	1.00	45.14	A
REMARK input coordinates: bgroup.pdb	ATOM 56 N VAL A 8	-16.568	-1.021	22.286	1.00	30.79	A
REMARK reflection file= p21reproc2.cv	ATOM 57 CA VAL A 8	-15.397	-1.489	23.002	1.00	31.95	A
REMARK ncs= restrain ncs file= ncsr2.def	ATOM 58 CB VAL A 8	-15.672	-1.495	24.526	1.00	35.54	A
REMARK Anisotropic B-factor tensor Ucart of atomic model without isotropic component :	ATOM 59 CG1 VAL A 8	-16.868	-2.394	24.832	1.00	36.12	A
REMARK B11= 28.814 B22= -12.319 B33= -16.495	ATOM 60 CG2 VAL A 8	-14.445	-1.969	25.291	1.00	38.24	A
REMARK B12= 0.000 B13= -8.113 B23= 0.000	ATOM 61 C VAL A 8	-15.025	-2.893	22.571	1.00	34.45	A
REMARK Isotropic component added to coordinate array B: 0.835	ATOM 62 O VAL A 8	-15.851	-3.627	22.021	1.00	33.69	A
REMARK bulk solvent: probe radius=1, shrink value=1	ATOM 63 N ALA A 9	-13.780	-3.270	22.841	1.00	36.26	A
REMARK bulk solvent: density level= 0.35 e/Å ³ , B-factor= 46.1722 Å ²	ATOM 64 CA ALA A 9	-13.327	-4.598	22.494	1.00	42.50	A
REMARK reflections with Fobs /sigma_F < 0.0 rejected	ATOM 65 CB ALA A 9	-13.176	-4.727	20.992	1.00	35.89	A
REMARK reflections with Fobs > 10000 * rms(Fobs) rejected	ATOM 66 C ALA A 9	-12.018	-4.921	23.157	1.00	43.48	A
REMARK fft gridding factor = 0.3333, B factor offset = 19.0633 Å ² , Elimit = 8	ATOM 67 O ALA A 9	-11.121	-4.092	23.213	1.00	41.46	A
REMARK theoretical total number of refl. in resol. range: 101928 (100.0 %)	ATOM 68 N HIS A 10	-11.924	-6.132	23.681	1.00	35.22	A
REMARK number of unobserved reflections (no entry or F =0): 3231 (3.2 %)	ATOM 69 CA HIS A 10	-10.703	-6.607	24.294	1.00	36.09	A
REMARK number of reflections rejected: 0 (0.0 %)	ATOM 70 CB HIS A 10	-10.793	-6.569	25.811	1.00	38.90	A
REMARK total number of reflections used: 98697 (96.8 %)	ATOM 71 CG HIS A 10	-9.537	-7.019	26.496	1.00	40.39	A
REMARK number of reflections in working set: 93732 (92.0 %)	ATOM 72 CD2 HIS A 10	-9.205	-8.205	27.060	1.00	38.12	A
REMARK number of reflections in test set: 4965 (4.9 %)	ATOM 73 ND1 HIS A 10	-8.426	-6.210	26.621	1.00	40.53	A
CRYST1 101.656 170.295 122.002 90.00 92.04 90.00 P 21	ATOM 74 CE1 HIS A 10	-7.464	-6.880	27.232	1.00	40.88	A
REMARK	ATOM 75 NE2 HIS A 10	-7.912	-8.092	27.509	1.00	38.36	A
FILENAME="/Users/pamela/Desktop/apw/2L/p21/cns38new/xpand3/minimize.pd"	ATOM 76 C HIS A 10	-10.613	-8.045	23.827	1.00	34.30	A
REMARK DATE:27-Mar-2009 16:51:11 created by user: pamela	ATOM 77 O HIS A 10	-11.260	-8.933	24.394	1.00	32.46	A
REMARK VERSION:1.2	ATOM 78 N VAL A 11	-9.847	-8.276	22.770	1.00	32.01	A
ATOM 1 CB ARG A 1	ATOM 79 CA VAL A 11	-9.703	-9.615	22.245	1.00	34.59	A
ATOM 2 CG ARG A 1	ATOM 80 CB VAL A 11	-9.786	-9.619	20.731	1.00	28.34	A
ATOM 3 CD ARG A 1	ATOM 81 CG1 VAL A 11	-11.137	-9.107	20.332	1.00	24.40	A
ATOM 4 NE ARG A 1	ATOM 82 CG2 VAL A 11	-8.668	-8.757	20.121	1.00	30.32	A
ATOM 5 CZ ARG A 1	ATOM 83 C VAL A 11	-8.389	-10.205	22.709	1.00	33.20	A
ATOM 6 NH1 ARG A 1	ATOM 84 O VAL A 11	-7.422	-9.483	23.011	1.00	30.21	A
ATOM 7 NH2 ARG A 1	ATOM 85 N VAL A 12	-8.352	-11.525	22.775	1.00	46.19	A
ATOM 8 C ARG A 1	ATOM 86 CA VAL A 12	-7.173	-12.194	23.268	1.00	44.36	A
ATOM 9 O ARG A 1	ATOM 87 CB VAL A 12	-7.526	-12.855	24.601	1.00	40.90	A
ATOM 10 N ARG A 1	ATOM 88 CG1 VAL A 12	-8.400	-14.076	24.349	1.00	34.70	A
ATOM 11 CA ARG A 1	ATOM 89 CG2 VAL A 12	-6.272	-13.199	25.359	1.00	44.37	A
ATOM 12 N THR A 2	ATOM 90 C VAL A 12	-6.681	-13.215	22.239	1.00	42.32	A
ATOM 13 CA THR A 2	ATOM 91 O VAL A 12	-7.433	-13.612	21.340	1.00	42.16	A
ATOM 14 CB THR A 2	ATOM 92 N ALA A 13	-5.420	-13.626	22.360	1.00	53.96	A
ATOM 15 OG1 THR A 2	ATOM 93 CA ALA A 13	-4.827	-14.584	21.425	1.00	53.63	A
ATOM 16 CG2 THR A 2	ATOM 94 CB ALA A 13	-3.314	-14.562	21.554	1.00	46.20	A
ATOM 17 C THR A 2	ATOM 95 C ALA A 13	-5.331	-16.012	21.592	1.00	57.61	A
ATOM 18 O THR A 2	ATOM 96 O ALA A 13	-5.512	-16.498	22.709	1.00	55.12	A
ATOM 19 N PRO A 3	ATOM 97 N ASN A 14	-5.543	-16.683	20.465	1.00	44.46	A
ATOM 20 CD PRO A 3	ATOM 98 CA ASN A 14	-6.017	-18.058	20.455	1.00	45.58	A
ATOM 21 CA PRO A 3	ATOM 99 CB ASN A 14	-6.699	-18.348	19.124	1.00	52.51	A
ATOM 22 CB PRO A 3	ATOM 100 CG ASN A 14	-7.190	-19.769	19.025	1.00	54.50	A
ATOM 23 CG PRO A 3	ATOM 101 OD1 ASN A 14	-7.686	-20.182	17.976	1.00	54.08	A
ATOM 24 C PRO A 3	ATOM 102 ND2 ASN A 14	-7.071	-20.526	20.114	1.00	56.62	A
ATOM 25 O PRO A 3	ATOM 103 C ASN A 14	-4.831	-18.994	20.641	1.00	48.46	A
ATOM 26 N SER A 4	ATOM 104 O ASN A 14	-3.945	-19.045	19.787	1.00	48.98	A
ATOM 27 CA SER A 4	ATOM 105 N PRO A 15	-4.801	-19.755	21.751	1.00	71.99	A
ATOM 28 CB SER A 4	ATOM 106 CD PRO A 15	-5.772	-19.803	22.854	1.00	35.03	A
ATOM 29 OG SER A 4	ATOM 107 CA PRO A 15	-3.687	-20.679	22.002	1.00	75.59	A
ATOM 30 C SER A 4	ATOM 108 CB PRO A 15	-3.839	-21.035	23.483	1.00	39.37	A
ATOM 31 O SER A 4	ATOM 109 CG PRO A 15	-4.879	-20.071	24.022	1.00	37.64	A
ATOM 32 N ASP A 5	ATOM 110 C PRO A 15	-3.756	-21.926	21.122	1.00	76.80	A
ATOM 33 CA ASP A 5	ATOM 111 O PRO A 15	-2.750	-22.603	20.912	1.00	78.83	A
ATOM 34 CB ASP A 5	ATOM 112 N GLN A 16	-4.947	-22.216	20.609	1.00	82.35	A
ATOM 35 CG ASP A 5	ATOM 113 CA GLN A 16	-5.160	-23.389	19.770	1.00	81.30	A
ATOM 36 OD1 ASP A 5	ATOM 114 CB GLN A 16	-6.649	-23.760	19.774	1.00	122.84	A
ATOM 37 OD2 ASP A 5	ATOM 115 CG GLN A 16	-6.971	-25.194	19.357	1.00	125.77	A
ATOM 38 C ASP A 5	ATOM 116 CD GLN A 16	-6.316	-26.230	20.258	1.00	127.56	A
ATOM 39 O ASP A 5	ATOM 117 OE1 GLN A 16	-6.296	-26.082	21.482	1.00	129.68	A
ATOM 40 N LYS A 6	ATOM 118 NE2 GLN A 16	-5.787	-27.291	19.655	1.00	126.21	A
ATOM 41 CA LYS A 6	ATOM 119 C GLN A 16	-4.678	-23.171	18.334	1.00	77.97	A
ATOM 42 CB LYS A 6	ATOM 120 O GLN A 16	-4.821	-24.054	17.487	1.00	78.54	A
ATOM 43 CG LYS A 6	ATOM 121 N ALA A 17	-4.106	-22.001	18.059	1.00	85.13	A
ATOM 44 CD LYS A 6	ATOM 122 CA ALA A 17	-3.609	-21.700	16.715	1.00	88.89	A
	ATOM 123 CB ALA A 17	-4.318	-20.483	16.151	1.00	56.63	A
	ATOM 124 C ALA A 17	-2.108	-21.467	16.730	1.00	93.39	A
	ATOM 125 O ALA A 17	-1.632	-20.378	16.427	1.00	95.03	A

65251/C766

1	ATOM 126 N GLU A 18	-1.369 -22.510 17.082 1.00 92.77	A	ATOM 211 NE ARG A 27	-11.612 -19.542 24.039 1.00 46.23	A
	ATOM 127 CA GLU A 18	0.083 -22.443 17.150 1.00 94.77	A	ATOM 212 CZ ARG A 27	-10.371 -19.931 23.764 1.00 49.84	A
	ATOM 128 CB GLU A 18	0.662 -23.845 17.358 1.00123.94	A	ATOM 213 NH1 ARG A 27	-10.160 -20.814 22.795 1.00 50.71	A
	ATOM 129 CG GLU A 18	0.338 -24.818 16.235 1.00123.94	A	ATOM 214 NH2 ARG A 27	-9.343 -19.436 24.458 1.00 48.07	A
	ATOM 130 CD GLU A 18	1.041 -26.150 16.397 1.00123.94	A	ATOM 215 C ARG A 27	-13.757 -15.528 27.343 1.00 35.71	A
	ATOM 131 OE1 GLU A 18	2.290 -26.163 16.409 1.00123.94	A	ATOM 216 O ARG A 27	-14.452 -14.509 27.343 1.00 35.85	A
	ATOM 132 OE2 GLU A 18	0.345 -27.180 16.513 1.00123.94	A	ATOM 217 N ALA A 28	-13.273 -16.097 28.440 1.00 66.51	A
	ATOM 133 C GLU A 18	0.708 -21.826 15.904 1.00 94.43	A	ATOM 218 CA ALA A 28	-13.502 -15.616 29.793 1.00 65.41	A
	ATOM 134 O GLU A 18	0.179 -21.953 14.794 1.00 94.04	A	ATOM 219 CB ALA A 28	-12.330 -16.019 30.675 1.00109.51	A
5	ATOM 135 N GLY A 19	1.837 -21.151 16.110 1.00 80.24	A	ATOM 220 C ALA A 28	-13.753 -14.131 29.936 1.00 65.07	A
	ATOM 136 CA GLY A 19	2.554 -20.534 15.013 1.00 77.73	A	ATOM 221 O ALA A 28	-14.893 -13.677 29.953 1.00 66.09	A
	ATOM 137 C GLY A 19	2.007 -19.226 14.487 1.00 76.23	A	ATOM 222 N ASN A 29	-12.688 -13.358 30.050 1.00 35.16	A
	ATOM 138 O GLY A 19	2.663 -18.584 13.672 1.00 76.24	A	ATOM 223 CA ASN A 29	-12.858 -11.930 30.237 1.00 34.33	A
	ATOM 139 N GLN A 20	0.824 -18.819 14.936 1.00 74.98	A	ATOM 224 CB ASN A 29	-12.047 -11.493 31.455 1.00 43.38	A
	ATOM 140 CA GLN A 20	0.235 -17.569 14.465 1.00 70.55	A	ATOM 225 CG ASN A 29	-12.523 -12.162 32.751 1.00 43.44	A
	ATOM 141 CB GLN A 20	-0.749 -17.863 13.336 1.00113.83	A	ATOM 226 ODI ASN A 29	-13.506 -11.742 33.360 1.00 49.30	A
	ATOM 142 CG GLN A 20	-1.800 -18.890 13.708 1.00114.81	A	ATOM 227 ND2 ASN A 29	-11.826 -13.207 33.167 1.00 40.45	A
	ATOM 143 CD GLN A 20	-2.722 -19.212 12.554 1.00114.57	A	ATOM 228 C ASN A 29	-12.453 -11.126 29.002 1.00 32.67	A
	ATOM 144 OE1 GLN A 20	-2.274 -19.666 11.504 1.00114.22	A	ATOM 229 O ASN A 29	-11.540 -10.304 29.050 1.00 30.39	A
	ATOM 145 NE2 GLN A 20	-4.020 -18.976 12.739 1.00114.02	A	ATOM 230 N ALA A 30	-13.150 -11.369 27.896 1.00 46.08	A
10	ATOM 146 C GLN A 20	-0.463 -16.786 15.574 1.00 65.29	A	ATOM 231 CA ALA A 30	-12.877 -10.684 26.644 1.00 40.90	A
	ATOM 147 O GLN A 20	-0.662 -17.291 16.681 1.00 64.00	A	ATOM 232 CB ALA A 30	-12.545 -11.701 25.566 1.00 30.84	A
	ATOM 148 N LEU A 21	-0.833 -15.546 15.271 1.00 58.00	A	ATOM 233 C ALA A 30	-14.094 -9.858 26.246 1.00 42.30	A
	ATOM 149 CA LEU A 21	-1.507 -14.690 16.240 1.00 54.46	A	ATOM 234 O ALA A 30	-15.170 -10.012 26.828 1.00 46.45	A
	ATOM 150 CB LEU A 21	-0.740 -13.375 16.406 1.00 49.22	A	ATOM 235 N LEU A 31	-13.928 -8.982 25.262 1.00 46.03	A
	ATOM 151 CG LEU A 21	-1.324 -12.305 17.334 1.00 48.00	A	ATOM 236 CA LEU A 31	-15.032 -8.133 24.839 1.00 45.50	A
	ATOM 152 CD1 LEU A 21	-1.741 -12.912 18.651 1.00 45.30	A	ATOM 237 CB LEU A 31	-14.995 -6.804 25.587 1.00 27.52	A
	ATOM 153 CD2 LEU A 21	-0.277 -11.224 17.555 1.00 50.04	A	ATOM 238 CG LEU A 31	-15.337 -6.709 27.068 1.00 30.40	A
	ATOM 154 C LEU A 21	-2.923 -14.397 15.792 1.00 53.07	A	ATOM 239 CD1 LEU A 31	-14.889 -5.348 27.602 1.00 28.02	A
	ATOM 155 O LEU A 21	-3.160 -13.442 15.061 1.00 48.39	A	ATOM 240 CD2 LEU A 31	-16.825 -6.900 27.250 1.00 29.87	A
	ATOM 156 N LEU A 22	-3.861 -15.221 16.237 1.00 63.39	A	ATOM 241 C LEU A 31	-15.039 -7.823 23.361 1.00 44.76	A
15	ATOM 157 CA GLN A 22	-5.261 -15.063 15.872 1.00 67.99	A	ATOM 242 O LEU A 31	-13.987 -7.738 22.735 1.00 45.57	A
	ATOM 158 CB GLN A 22	-5.795 -16.412 15.395 1.00 69.19	A	ATOM 243 N LEU A 32	-16.244 -7.648 22.826 1.00 40.02	A
	ATOM 159 CG GLN A 22	-7.282 -16.458 15.141 1.00 75.96	A	ATOM 244 CA LEU A 32	-16.457 -7.287 21.436 1.00 39.81	A
	ATOM 160 CD GLN A 22	-7.775 -17.877 14.986 1.00 82.18	A	ATOM 245 CB LEU A 32	-16.271 -8.484 20.515 1.00 35.94	A
	ATOM 161 OE1 GLN A 22	-8.977 -18.123 14.899 1.00 87.41	A	ATOM 246 CG LEU A 32	-16.407 -8.091 19.036 1.00 34.52	A
	ATOM 162 NE2 GLN A 22	-6.844 -18.824 14.950 1.00 82.94	A	ATOM 247 CD1 LEU A 32	-15.254 -7.162 18.642 1.00 33.50	A
	ATOM 163 C GLN A 22	-6.065 -14.550 17.075 1.00 65.38	A	ATOM 248 CD2 LEU A 32	-16.419 -9.335 18.158 1.00 34.84	A
	ATOM 164 O GLN A 22	-6.032 -15.153 18.148 1.00 64.33	A	ATOM 249 C LEU A 32	-17.900 -6.812 21.396 1.00 39.45	A
	ATOM 165 N TRP A 23	-6.789 -13.446 16.899 1.00 46.36	A	ATOM 250 O LEU A 32	-18.807 -7.577 21.058 1.00 45.32	A
	ATOM 166 CA TRP A 23	-7.565 -12.864 17.995 1.00 40.24	A	ATOM 251 N ALA A 33	-18.122 -5.542 21.733 1.00 43.98	A
	ATOM 167 CB TRP A 23	-7.700 -11.347 17.822 1.00 38.15	A	ATOM 252 CA ALA A 33	-19.480 -5.030 21.770 1.00 44.50	A
	ATOM 168 CG TRP A 23	-6.413 -10.604 17.656 1.00 38.67	A	ATOM 253 CB ALA A 33	-19.991 -5.087 23.186 1.00 14.30	A
20	ATOM 169 CD2 TRP A 23	-5.406 -10.392 18.656 1.00 36.78	A	ATOM 254 C ALA A 33	-19.745 -3.653 21.215 1.00 46.29	A
	ATOM 170 CE2 TRP A 23	-4.375 -9.640 18.059 1.00 38.40	A	ATOM 255 O ALA A 33	-18.839 -2.913 20.856 1.00 50.47	A
	ATOM 171 CE3 TRP A 23	-5.276 -10.769 19.999 1.00 36.47	A	ATOM 256 N ASN A 34	-21.037 -3.342 21.163 1.00 44.70	A
	ATOM 172 CD1 TRP A 23	-5.966 -9.990 16.533 1.00 38.14	A	ATOM 257 CA ASN A 34	-21.542 -2.074 20.695 1.00 41.89	A
	ATOM 173 NE1 TRP A 23	-4.744 -9.405 16.764 1.00 37.23	A	ATOM 258 CB ASN A 34	-21.250 -1.014 21.731 1.00 48.50	A
	ATOM 174 CZ2 TRP A 23	-3.227 -9.256 18.754 1.00 40.46	A	ATOM 259 CG ASN A 34	-21.876 -1.343 23.050 1.00 52.42	A
	ATOM 175 CZ3 TRP A 23	-4.132 -10.386 20.693 1.00 40.91	A	ATOM 260 ODI ASN A 34	-23.067 -1.638 23.122 1.00 54.90	A
	ATOM 176 CH2 TRP A 23	-3.124 -9.638 20.067 1.00 38.72	A	ATOM 261 ND2 ASN A 34	-21.083 -1.306 24.106 1.00 47.83	A
	ATOM 177 C TRP A 23	-8.974 -13.432 18.135 1.00 40.74	A	ATOM 262 C ASN A 34	-21.059 -1.617 19.341 1.00 42.64	A
	ATOM 178 O TRP A 23	-9.668 -13.643 17.146 1.00 42.02	A	ATOM 263 O ASN A 34	-20.737 -0.445 19.152 1.00 45.18	A
	ATOM 179 N LEU A 24	-9.399 -13.677 19.370 1.00 35.76	A	ATOM 264 N GLY A 35	-21.003 -2.537 18.389 1.00 41.76	A
25	ATOM 180 CA LEU A 24	-10.754 -14.162 19.606 1.00 33.45	A	ATOM 265 CA GLY A 35	-20.614 -2.137 17.060 1.00 36.35	A
	ATOM 181 CB LEU A 24	-10.801 -15.638 20.018 1.00 75.48	A	ATOM 266 C GLY A 35	-19.269 -2.539 16.526 1.00 36.70	A
	ATOM 182 CG LEU A 24	-9.618 -16.569 19.826 1.00 76.21	A	ATOM 267 O GLY A 35	-19.152 -2.771 15.320 1.00 38.19	A
	ATOM 183 CD1 LEU A 24	-8.550 -16.204 20.825 1.00 77.83	A	ATOM 268 N VAL A 36	-18.239 -2.612 17.362 1.00 39.33	A
	ATOM 184 CD2 LEU A 24	-10.066 -17.993 20.048 1.00 71.32	A	ATOM 269 CA VAL A 36	-16.949 -2.972 16.795 1.00 40.66	A
	ATOM 185 C LEU A 24	-11.382 -13.350 20.711 1.00 40.31	A	ATOM 270 CB VAL A 36	-15.766 -2.653 17.771 1.00 37.15	A
	ATOM 186 O LEU A 24	-10.693 -12.738 21.527 1.00 37.29	A	ATOM 271 CG1 VAL A 36	-16.303 -2.242 19.105 1.00 35.18	A
	ATOM 187 N ASN A 25	-12.702 -13.364 20.731 1.00 39.29	A	ATOM 272 CG2 VAL A 36	-14.823 -3.826 17.890 1.00 37.55	A
	ATOM 188 CA ASN A 25	-13.457 -12.635 21.723 1.00 40.73	A	ATOM 273 C VAL A 36	-16.980 -4.427 16.365 1.00 44.81	A
	ATOM 189 CB ASN A 25	-14.317 -11.597 21.027 1.00 33.85	A	ATOM 274 O VAL A 36	-17.535 -5.287 17.047 1.00 45.77	A
	ATOM 190 CG ASN A 25	-15.489 -12.225 20.312 1.00 35.42	A	ATOM 275 N GLU A 37	-16.408 -4.686 15.198 1.00 43.54	A
30	ATOM 191 ODI ASN A 25	-16.647 -12.030 20.704 1.00 39.41	A	ATOM 276 CA GLU A 37	-16.377 -6.026 14.640 1.00 46.14	A
	ATOM 192 ND2 ASN A 25	-15.198 -13.010 19.269 1.00 31.82	A	ATOM 277 CB GLU A 37	-17.008 -6.009 13.254 1.00 54.70	A
	ATOM 193 C ASN A 25	-14.376 -13.596 22.482 1.00 41.26	A	ATOM 278 CG GLU A 37	-18.199 -5.081 13.174 1.00 61.73	A
	ATOM 194 O ASN A 25	-15.096 -13.187 23.391 1.00 43.62	A	ATOM 279 CD GLU A 37	-18.630 -4.783 11.753 1.00 64.70	A
	ATOM 195 N ARG A 26	-14.370 -14.866 22.101 1.00 51.77	A	ATOM 280 OE1 GLU A 37	-17.756 -4.794 10.848 1.00 68.13	A
	ATOM 196 CA ARG A 26	-15.227 -15.849 22.749 1.00 53.05	A	ATOM 281 OE2 GLU A 37	-19.840 -4.517 11.550 1.00 65.26	A
	ATOM 197 CB ARG A 26	-15.624 -16.938 21.749 1.00 43.00	A	ATOM 282 C GLU A 37	-14.952 -6.548 14.544 1.00 45.03	A
	ATOM 198 CG ARG A 26	-14.460 -17.626 21.065 1.00 43.91	A	ATOM 283 O GLU A 37	-13.987 -5.785 14.472 1.00 47.49	A
	ATOM 199 CD ARG A 26	-14.930 -18.861 20.344 1.00 47.97	A	ATOM 284 N LEU A 38	-14.831 -7.865 14.577 1.00 56.99	A
	ATOM 200 NE ARG A 26	-13.844 -19.554 19.653 1.00 49.11	A	ATOM 285 CA LEU A 38	-13.541 -8.502 14.451 1.00 59.03	A
	ATOM 201 CZ ARG A 26	-13.396 -19.224 18.447 1.00 49.67	A	ATOM 286 CB LEU A 38	-13.353 -9.531 15.565 1.00 36.82	A
35	ATOM 202 NH1 ARG A 26	-13.946 -18.205 17.794 1.00 50.15	A	ATOM 287 CG LEU A 38	-11.990 -10.237 15.590 1.00 34.73	A
	ATOM 203 NH2 ARG A 26	-12.410 -19.916 17.895 1.00 48.70	A	ATOM 288 CD1 LEU A 38	-10.878 -9.196 15.482 1.00 33.11	A
	ATOM 204 C ARG A 26	-14.595 -16.504 23.970 1.00 51.11	A	ATOM 289 CD2 LEU A 38	-11.842 -11.072 16.859 1.00 31.60	A
	ATOM 205 O ARG A 26	-14.641 -17.729 24.111 1.00 50.82	A	ATOM 290 C LEU A 38	-13.650 -9.156 13.078 1.00 59.30	A
	ATOM 206 N ARG A 27	-14.011 -15.699 24.854 1.00 34.32	A	ATOM 291 O LEU A 38	-14.318 -10.171 12.905 1.00 52.91	A
	ATOM 207 CA ARG A 27	-13.382 -16.238 26.048 1.00 35.25	A	ATOM 292 N ARG A 39	-13.014 -8.537 12.094 1.00 42.84	A
	ATOM 208 CB ARG A 27	-11.867 -16.241 25.883 1.00 39.05	A	ATOM 293 CA ARG A 39	-13.063 -9.000 10.709 1.00 49.37	A
	ATOM 209 CG ARG A 27	-11.385 -17.198 24.836 1.00 40.47	A	ATOM 294 CB ARG A 39	-13.799 -7.953 9.884 1.00 50.15	A
	ATOM 210 CD ARG A 27	-11.958 -18.577 25.082 1.00 42.84	A	ATOM 295 CG ARG A 39	-14.177 -8.376 8.509 1.00 57.85	A

65251/C766

1	ATOM 296 CD ARG A 39	-15.142	-7.372	7.924	1.00	66.46	A	ATOM 381 CD2 LEU A 50	-10.887	12.726	21.669	1.00	34.62	A
	ATOM 297 NE ARG A 39	-15.754	-7.883	6.705	1.00	72.99	A	ATOM 382 C LEU A 50	-11.473	7.944	20.512	1.00	40.86	A
	ATOM 298 CZ ARG A 39	-16.815	-7.337	6.122	1.00	73.79	A	ATOM 383 O LEU A 50	-12.417	7.541	21.183	1.00	39.58	A
	ATOM 299 NH1 ARG A 39	-17.384	-6.253	6.646	1.00	72.27	A	ATOM 384 N TYR A 51	-10.414	7.190	20.265	1.00	43.46	A
	ATOM 300 NH2 ARG A 39	-17.317	-7.883	5.024	1.00	76.09	A	ATOM 385 CA TYR A 51	-10.322	5.829	20.798	1.00	42.11	A
5	ATOM 301 C ARG A 39	-11.667	-9.224	10.150	1.00	51.42	A	ATOM 386 CB TYR A 51	-10.456	4.787	19.681	1.00	36.04	A
	ATOM 302 O ARG A 39	-10.801	-8.369	10.268	1.00	54.65	A	ATOM 387 CG TYR A 51	-11.838	4.612	19.104	1.00	36.14	A
	ATOM 303 N ASP A 40	-11.447	-10.382	9.551	1.00	52.29	A	ATOM 388 CD1 TYR A 51	-12.386	5.568	18.257	1.00	37.00	A
	ATOM 304 CA ASP A 40	-10.149	-10.715	8.976	1.00	50.24	A	ATOM 389 CE1 TYR A 51	-13.653	5.397	17.710	1.00	36.56	A
	ATOM 305 CB ASP A 40	-9.925	-9.917	7.684	1.00	114.16	A	ATOM 390 CD2 TYR A 51	-12.593	3.479	19.398	1.00	37.70	A
10	ATOM 306 CG ASP A 40	-11.043	-10.114	6.669	1.00	116.30	A	ATOM 391 CE2 TYR A 51	-13.861	3.296	18.863	1.00	35.97	A
	ATOM 307 OD1 ASP A 40	-11.341	-11.280	6.332	1.00	113.18	A	ATOM 392 CZ TYR A 51	-14.384	4.254	18.018	1.00	35.67	A
	ATOM 308 OD2 ASP A 40	-11.623	-9.106	6.204	1.00	116.42	A	ATOM 393 OH TYR A 51	-15.631	4.060	17.472	1.00	35.90	A
	ATOM 309 C ASP A 40	-9.012	-10.444	9.966	1.00	46.37	A	ATOM 394 C TYR A 51	-9.019	5.528	21.515	1.00	42.29	A
	ATOM 310 O ASP A 40	-7.927	-9.986	9.591	1.00	45.60	A	ATOM 395 O TYR A 51	-7.940	5.972	21.104	1.00	43.18	A
15	ATOM 311 N ASN A 41	-9.273	-10.724	11.238	1.00	55.36	A	ATOM 396 N LEU A 52	-9.119	4.759	22.589	1.00	40.38	A
	ATOM 312 CA ASN A 41	-8.293	-10.541	12.316	1.00	51.11	A	ATOM 397 CA LEU A 52	-7.928	4.347	23.311	1.00	42.03	A
	ATOM 313 CB ASN A 41	-6.996	-11.278	11.999	1.00	48.73	A	ATOM 398 CB LEU A 52	-8.200	4.229	24.812	1.00	38.33	A
	ATOM 314 CG ASN A 41	-6.260	-11.701	13.252	1.00	43.42	A	ATOM 399 CG LEU A 52	-7.100	3.529	25.617	1.00	34.22	A
	ATOM 315 OD1 ASN A 41	-6.835	-12.365	14.134	1.00	44.76	A	ATOM 400 CD1 LEU A 52	-5.758	4.169	25.340	1.00	36.25	A
20	ATOM 316 ND2 ASN A 41	-4.987	-11.332	13.345	1.00	39.52	A	ATOM 401 CD2 LEU A 52	-7.441	3.601	27.090	1.00	28.55	A
	ATOM 317 C ASN A 41	-7.965	-9.095	12.649	1.00	54.42	A	ATOM 402 C LEU A 52	-7.633	2.983	22.705	1.00	43.56	A
	ATOM 318 O ASN A 41	-6.886	-8.799	13.162	1.00	55.93	A	ATOM 403 O LEU A 52	-8.486	2.100	22.709	1.00	44.13	A
	ATOM 319 N GLN A 42	-8.901	-8.199	12.359	1.00	62.44	A	ATOM 404 N ILE A 53	-6.443	2.832	22.143	1.00	40.95	A
	ATOM 320 CA GLN A 42	-8.708	-6.785	12.638	1.00	60.36	A	ATOM 405 CA ILE A 53	-6.048	1.579	21.521	1.00	37.55	A
25	ATOM 321 CB GLN A 42	-8.444	-6.018	11.348	1.00	48.14	A	ATOM 406 CB ILE A 53	-5.605	1.800	20.069	1.00	47.46	A
	ATOM 322 CG GLN A 42	-7.415	-6.661	10.459	1.00	50.23	A	ATOM 407 CG2 ILE A 53	-5.262	0.481	19.416	1.00	48.10	A
	ATOM 323 CD GLN A 42	-7.232	-5.926	9.139	1.00	49.69	A	ATOM 408 CG1 ILE A 53	-6.716	2.475	19.285	1.00	46.35	A
	ATOM 324 OE1 GLN A 42	-8.206	-5.606	8.449	1.00	49.12	A	ATOM 409 CD1 ILE A 53	-6.323	2.754	17.864	1.00	42.17	A
	ATOM 325 NE2 GLN A 42	-5.973	-5.667	8.775	1.00	51.45	A	ATOM 410 C ILE A 53	-4.870	1.018	22.286	1.00	37.61	A
30	ATOM 326 C GLN A 42	-9.966	-6.239	13.286	1.00	59.25	A	ATOM 411 O ILE A 53	-3.976	1.757	22.678	1.00	40.69	A
	ATOM 327 O GLN A 42	-11.073	-6.701	13.006	1.00	59.59	A	ATOM 412 N TYR A 54	-4.857	-0.287	22.500	1.00	43.80	A
	ATOM 328 N LEU A 43	-9.796	-5.264	14.167	1.00	39.12	A	ATOM 413 CA TYR A 54	-3.745	-0.887	23.226	1.00	40.93	A
	ATOM 329 CA LEU A 43	-10.944	-4.660	14.807	1.00	37.70	A	ATOM 414 CB TYR A 54	-3.957	-0.718	24.729	1.00	39.58	A
	ATOM 330 CB LEU A 43	-10.549	-4.089	16.165	1.00	29.32	A	ATOM 415 CG TYR A 54	-5.167	-1.459	25.243	1.00	39.58	A
35	ATOM 331 CG LEU A 43	-10.082	-5.131	17.180	1.00	35.48	A	ATOM 416 CD1 TYR A 54	-5.075	-2.792	25.641	1.00	39.58	A
	ATOM 332 CD1 LEU A 43	-9.511	-4.441	18.410	1.00	35.57	A	ATOM 417 CE1 TYR A 54	-6.194	-3.492	26.065	1.00	39.58	A
	ATOM 333 CD2 LEU A 43	-11.241	-6.016	17.544	1.00	31.87	A	ATOM 418 CD2 TYR A 54	-6.414	-0.843	25.285	1.00	39.58	A
	ATOM 334 C LEU A 43	-11.444	-3.551	13.877	1.00	39.72	A	ATOM 419 CE2 TYR A 54	-7.544	-1.537	25.708	1.00	39.58	A
	ATOM 335 O LEU A 43	-10.650	-2.830	13.280	1.00	36.34	A	ATOM 420 CZ TYR A 54	-7.425	-2.859	26.093	1.00	39.58	A

65251/C766

1	ATOM 466 CA LYS A 60	9.321	-16.512	24.766	1.00	88.15	A	ATOM 551 CA THR A 72	8.500	-6.103	16.759	1.00	63.48	A
	ATOM 467 CB LYS A 60	8.367	-17.418	25.539	1.00	67.86	A	ATOM 552 CB THR A 72	8.682	-5.539	15.339	1.00	65.28	A
	ATOM 468 CG LYS A 60	9.060	-18.534	26.304	1.00	74.05	A	ATOM 553 OG1 THR A 72	7.885	-6.292	14.415	1.00	67.81	A
	ATOM 469 CD LYS A 60	8.041	-19.423	26.991	1.00	82.26	A	ATOM 554 CG2 THR A 72	10.136	-5.603	14.932	1.00	63.00	A
	ATOM 470 CE LYS A 60	8.706	-20.563	27.737	1.00	85.01	A	ATOM 555 C THR A 72	7.008	-6.303	16.981	1.00	66.11	A
	ATOM 471 NZ LYS A 60	7.690	-21.401	28.430	1.00	85.35	A	ATOM 556 O THR A 72	6.437	-7.343	16.628	1.00	67.15	A
	ATOM 472 C LYS A 60	10.166	-17.360	23.842	1.00	87.66	A	ATOM 557 N HIS A 73	6.388	-5.289	17.574	1.00	47.67	A
	ATOM 473 O LYS A 60	9.712	-17.774	22.777	1.00	90.41	A	ATOM 558 CA HIS A 73	4.964	-5.307	17.853	1.00	48.12	A
	ATOM 474 N GLY A 61	11.397	-17.618	24.255	1.00	73.54	A	ATOM 559 CB HIS A 73	4.719	-5.389	19.357	1.00	57.38	A
5	ATOM 475 CA GLY A 61	12.276	-18.425	23.437	1.00	76.10	A	ATOM 560 CG HIS A 73	3.277	-5.513	19.719	1.00	60.25	A
	ATOM 476 C GLY A 61	13.151	-19.318	24.282	1.00	77.80	A	ATOM 561 CD2 HIS A 73	2.207	-5.898	18.987	1.00	62.01	A
	ATOM 477 O GLY A 61	13.572	-18.931	25.367	1.00	80.97	A	ATOM 562 ND1 HIS A 73	2.800	-5.235	20.982	1.00	64.86	A
	ATOM 478 N GLN A 62	13.413	-20.523	23.789	1.00	113.69	A	ATOM 563 CE1 HIS A 73	1.496	-5.442	21.013	1.00	63.40	A
	ATOM 479 CA GLN A 62	14.258	-21.473	24.496	1.00	114.00	A	ATOM 564 NE2 HIS A 73	1.112	-5.846	19.815	1.00	63.57	A
	ATOM 480 CB GLN A 62	13.862	-22.907	24.136	1.00	118.81	A	ATOM 565 C HIS A 73	4.487	-3.976	17.327	1.00	47.20	A
	ATOM 481 CG GLN A 62	12.408	-23.246	24.415	1.00	122.94	A	ATOM 566 O HIS A 73	5.119	-2.952	17.571	1.00	43.06	A
	ATOM 482 CD GLN A 62	12.072	-23.195	25.892	1.00	128.88	A	ATOM 567 N THR A 74	3.390	-3.971	16.591	1.00	36.40	A
	ATOM 483 OE1 GLN A 62	12.218	-22.158	26.538	1.00	128.48	A	ATOM 568 CA THR A 74	2.919	-2.718	16.045	1.00	42.99	A
	ATOM 484 NE2 GLN A 62	11.619	-24.319	26.435	1.00	129.05	A	ATOM 569 CB THR A 74	3.764	-2.332	14.774	1.00	50.66	A
	ATOM 485 C GLN A 62	15.680	-21.203	24.037	1.00	111.94	A	ATOM 570 OG1 THR A 74	2.899	-1.913	13.713	1.00	53.17	A
10	ATOM 486 O GLN A 62	15.971	-21.284	22.845	1.00	113.45	A	ATOM 571 CG2 THR A 74	4.618	-3.503	14.306	1.00	55.49	A
	ATOM 487 N GLY A 63	16.560	-20.870	24.975	1.00	101.90	A	ATOM 572 C THR A 74	1.424	-2.706	15.740	1.00	41.84	A
	ATOM 488 CA GLY A 63	17.938	-20.588	24.614	1.00	99.89	A	ATOM 573 O THR A 74	0.864	-3.699	15.286	1.00	37.42	A
	ATOM 489 C GLY A 63	18.019	-19.526	23.531	1.00	97.97	A	ATOM 574 N ILE A 75	0.776	-1.583	16.029	1.00	53.82	A
	ATOM 490 O GLY A 63	17.017	-18.889	23.219	1.00	96.01	A	ATOM 575 CA ILE A 75	-0.647	-1.435	15.765	1.00	55.12	A
	ATOM 491 N CYS A 64	19.197	-19.343	22.939	1.00	115.95	A	ATOM 576 CB ILE A 75	-1.396	-0.839	16.974	1.00	34.45	A
	ATOM 492 CA CYS A 64	19.366	-18.328	21.903	1.00	120.19	A	ATOM 577 CG2 ILE A 75	-2.852	-0.579	16.619	1.00	33.94	A
	ATOM 493 C CYS A 64	19.663	-18.799	20.490	1.00	126.28	A	ATOM 578 CG1 ILE A 75	-1.302	-1.804	18.158	1.00	31.61	A
	ATOM 494 O CYS A 64	20.406	-19.754	20.278	1.00	129.19	A	ATOM 579 CD1 ILE A 75	-2.023	-1.325	19.390	1.00	34.90	A
	ATOM 495 CB CYS A 64	20.437	-17.334	22.326	1.00	130.40	A	ATOM 580 C ILE A 75	-0.787	-0.491	14.583	1.00	58.26	A
	ATOM 496 SG CYS A 64	19.776	-16.115	23.489	1.00	131.61	A	ATOM 581 O ILE A 75	-0.305	0.647	14.621	1.00	55.03	A
	ATOM 497 N PRO A 65	19.068	-18.122	19.497	1.00	125.37	A	ATOM 582 N SER A 76	-1.443	-0.970	13.532	1.00	56.70	A
15	ATOM 498 CD PRO A 65	17.941	-17.190	19.664	1.00	142.61	A	ATOM 583 CA SER A 76	-1.631	-0.184	12.327	1.00	57.78	A
	ATOM 499 CA PRO A 65	19.253	-18.448	18.082	1.00	127.71	A	ATOM 584 CB SER A 76	-1.209	-0.983	11.098	1.00	52.29	A
	ATOM 500 CB PRO A 65	18.138	-17.658	17.393	1.00	145.14	A	ATOM 585 OG SER A 76	0.133	-1.405	11.208	1.00	61.58	A
	ATOM 501 CG PRO A 65	17.101	-17.513	18.461	1.00	144.87	A	ATOM 586 C SER A 76	-3.064	0.233	12.125	1.00	53.78	A
	ATOM 502 C PRO A 65	20.629	-18.018	17.595	1.00	130.72	A	ATOM 587 O SER A 76	-3.995	-0.405	12.621	1.00	49.93	A
	ATOM 503 O PRO A 65	21.585	-17.946	18.367	1.00	130.99	A	ATOM 588 N ARG A 77	-3.231	1.321	11.384	1.00	43.34	A
	ATOM 504 N SER A 66	20.711	-17.722	16.305	1.00	178.92	A	ATOM 589 CA ARG A 77	-4.549	1.806	11.039	1.00	48.52	A
	ATOM 505 CA SER A 66	21.955	-17.295	15.690	1.00	182.52	A	ATOM 590 CB ARG A 77	-4.784	3.231	11.542	1.00	39.05	A
	ATOM 506 CB SER A 66	22.077	-17.907	14.293	1.00	160.62	A	ATOM 591 CG ARG A 77	-5.906	3.930	10.771	1.00	41.23	A
	ATOM 507 OG SER A 66	23.265	-17.484	13.651	1.00	157.78	A	ATOM 592 CD ARG A 77	-6.962	5.051	11.549	1.00	42.10	A
	ATOM 508 C SER A 66	21.998	-15.775	15.595	1.00	183.07	A	ATOM 593 NE ARG A 77	-6.212	6.386	11.068	1.00	44.54	A
20	ATOM 509 O SER A 66	21.037	-15.093	15.593	1.00	176.49	A	ATOM 594 CZ ARG A 77	-7.106	7.307	10.718	1.00	47.97	A
	ATOM 510 N THR A 67	23.126	-15.263	15.111	1.00	200.72	A	ATOM 595 NH1 ARG A 77	-6.708	8.496	10.298	1.00	48.06	A
	ATOM 511 CA THR A 67	23.355	-13.830	14.938	1.00	200.72	A	ATOM 596 NH2 ARG A 77	-8.402	7.036	10.770	1.00	47.83	A
	ATOM 512 CB THR A 67	23.038	-13.385	13.488	1.00	168.99	A	ATOM 597 C ARG A 77	-4.635	1.814	9.523	1.00	46.86	A
	ATOM 513 OG1 THR A 67	23.758	-14.211	12.564	1.00	168.99	A	ATOM 598 O ARG A 77	-3.716	2.262	8.852	1.00	52.61	A
	ATOM 514 CG2 THR A 67	23.444	-11.928	13.274	1.00	168.99	A	ATOM 599 N ILE A 78	-5.716	1.272	8.983	1.00	47.21	A
	ATOM 515 C THR A 67	22.558	-12.948	15.892	1.00	200.72	A	ATOM 600 CA ILE A 78	-5.926	1.320	7.548	1.00	45.90	A
	ATOM 516 O THR A 67	22.943	-12.753	17.045	1.00	200.72	A	ATOM 601 CB ILE A 78	-5.978	-0.110	6.879	1.00	56.08	A
	ATOM 517 N HIS A 68	21.441	-12.422	15.402	1.00	139.45	A	ATOM 602 CG2 ILE A 78	-5.464	-1.168	7.825	1.00	56.58	A
	ATOM 518 CA HIS A 68	20.605	-11.543	16.201	1.00	134.57	A	ATOM 603 CG1 ILE A 78	-7.378	-0.444	6.405	1.00	57.75	A
	ATOM 519 CB HIS A 68	21.077	-10.099	16.016	1.00	185.55	A	ATOM 604 CD1 ILE A 78	-7.790	0.325	5.179	1.00	58.07	A
25	ATOM 520 CG HIS A 68	20.682	-9.181	17.129	1.00	185.55	A	ATOM 605 C ILE A 78	-7.252	2.098	7.509	1.00	48.07	A
	ATOM 521 CD2 HIS A 68	19.930	-8.055	17.133	1.00	185.55	A	ATOM 606 O ILE A 78	-8.329	1.568	7.797	1.00	46.62	A
	ATOM 522 ND1 HIS A 68	21.095	-9.370	18.430	1.00	185.55	A	ATOM 607 N ALA A 79	-7.136	3.393	7.215	1.00	51.86	A
	ATOM 523 CE1 HIS A 68	20.615	-8.400	19.188	1.00	185.55	A	ATOM 608 CA ALA A 79	-8.284	4.295	7.193	1.00	48.46	A
	ATOM 524 NE2 HIS A 68	19.904	-7.589	18.425	1.00	185.55	A	ATOM 609 CB ALA A 79	-7.793	5.735	7.248	1.00	57.50	A
	ATOM 525 C HIS A 68	19.141	-11.675	15.782	1.00	130.40	A	ATOM 610 C ALA A 79	-9.229	4.111	6.015	1.00	49.66	A
	ATOM 526 O HIS A 68	18.837	-11.840	14.599	1.00	129.85	A	ATOM 611 O ALA A 79	-8.818	3.711	4.936	1.00	49.86	A
	ATOM 527 N VAL A 69	18.241	-11.607	16.760	1.00	112.98	A	ATOM 612 N VAL A 80	-10.503	4.408	6.229	1.00	58.04	A
	ATOM 528 CA VAL A 69	16.808	-11.710	16.500	1.00	112.71	A	ATOM 613 CA VAL A 80	-11.489	4.278	5.168	1.00	60.53	A
	ATOM 529 CB VAL A 69	16.185	-12.924	17.226	1.00	126.62	A	ATOM 614 CB VAL A 80	-12.911	4.599	5.674	1.00	70.47	A
	ATOM 530 CG1 VAL A 69	14.709	-13.022	16.895	1.00	126.38	A	ATOM 615 CG1 VAL A 80	-13.905	4.490	4.536	1.00	68.87	A
30	ATOM 531 CG2 VAL A 69	16.901	-14.203	16.820	1.00	124.88	A	ATOM 616 CG2 VAL A 80	-13.295	3.656	6.781	1.00	72.17	A
	ATOM 532 C VAL A 69	16.100	-10.450	16.981	1.00	112.30	A	ATOM 617 C VAL A 80	-11.146	5.258	4.052	1.00	65.08	A
	ATOM 533 O VAL A 69	16.349	-9.970	18.087	1.00	115.86	A	ATOM 618 O VAL A 80	-11.381	4.987	2.876	1.00	63.67	A
	ATOM 534 N LEU A 70	15.222	-9.914	16.141	1.00	76.21	A	ATOM 619 N SER A 81	-10.583	6.402	4.420	1.00	62.10	A
	ATOM 535 CA LEU A 70	14.473	-8.717	16.491	1.00	71.43	A	ATOM 620 CA SER A 81	-10.227	7.404	3.428	1.00	64.96	A
	ATOM 536 CB LEU A 70	14.644	-7.633	15.426	1.00	89.36	A	ATOM 621 CB SER A 81	-10.448	8.797	3.993	1.00	67.37	A
	ATOM 537 CG LEU A 70	16.019	-6.977	15.290	1.00	91.06	A	ATOM 622 OG SER A 81	-11.821	8.994	4.259	1.00	70.41	A
	ATOM 538 CD1 LEU A 70	15.935	-5.868	14.258	1.00	86.10	A	ATOM 623 C SER A 81	-8.803	7.295	2.901	1.00	69.14	A
	ATOM 539 CD2 LEU A 70	16.473	-6.418	16.627	1.00	91.66	A	ATOM 624 O SER A 81	-8.354	8.177	2.175	1.00	69.66	A
	ATOM 540 C LEU A 70	12.995	-9.028	16.641	1.00	72.47	A	ATOM 625 N TYR A 82	-8.099	6.220	3.257	1.00	51.69	A
	ATOM 541 O LEU A 70	12.411	-9.728	15.818	1.00	72.58	A	ATOM 626 CA TYR A 82	-6.721	6.006	2.800	1.00	53.73	A
	ATOM 542 N LEU A 71	12.400	-8.503	17.704	1.00	70.90	A	ATOM 627 CB TYR A 82	-5.771	6.989	3.500	1.00	41.69	A
35	ATOM 543 CA LEU A 71	10.986	-8.701	17.972	1.00	70.84	A	ATOM 628 CG TYR A 82	-4.372	7.001	2.925	1.00	44.89	A
	ATOM 544 CB LEU A 71	10.791	-9.209	19.401	1.00	62.08	A	ATOM 629 CD1 TYR A 82	-3.260	6.692	3.721	1.00	47.18	A
	ATOM 545 CG													

65251/C766

1	ATOM 636 O TYR A 82	-5.499	4.312	3.989	1.00	53.34	A	ATOM 721 N SER A 94	15.192	-6.485	21.452	1.00	69.23	A
	ATOM 637 N GLN A 83	-6.834	3.632	2.303	1.00	61.97	A	ATOM 722 CA SER A 94	16.257	-7.430	21.092	1.00	71.68	A
	ATOM 638 CA GLN A 83	-6.565	2.202	2.449	1.00	61.86	A	ATOM 723 CB SER A 94	17.544	-6.669	20.770	1.00	87.28	A
	ATOM 639 CB GLN A 83	-7.279	1.407	1.351	1.00	86.61	A	ATOM 724 OG SER A 94	17.959	-5.877	21.876	1.00	89.71	A
	ATOM 640 CG GLN A 83	-8.611	0.787	1.741	1.00	90.88	A	ATOM 725 C SER A 94	16.522	-8.403	22.238	1.00	74.27	A
	ATOM 641 CD GLN A 83	-9.738	1.794	1.783	1.00	91.92	A	ATOM 726 O SER A 94	17.280	-8.101	23.159	1.00	75.54	A
	ATOM 642 OE1 GLN A 83	-10.909	1.423	1.837	1.00	90.94	A	ATOM 727 N PRO A 95	15.916	-9.597	22.181	1.00	74.98	A
	ATOM 643 NE2 GLN A 83	-9.392	3.078	1.761	1.00	89.42	A	ATOM 728 CD PRO A 95	15.186	-10.141	21.024	1.00	66.26	A
	ATOM 644 C GLN A 83	-5.108	1.771	2.456	1.00	60.04	A	ATOM 729 CA PRO A 95	16.075	-10.620	23.218	1.00	78.92	A
5	ATOM 645 O GLN A 83	-4.646	1.171	1.500	1.00	57.49	A	ATOM 730 CB PRO A 95	15.105	-11.705	22.774	1.00	69.20	A
	ATOM 646 N THR A 84	-4.381	2.050	3.526	1.00	64.19	A	ATOM 731 CG PRO A 95	15.209	-11.630	21.292	1.00	66.65	A
	ATOM 647 CA THR A 84	-2.993	1.626	3.605	1.00	56.56	A	ATOM 732 C PRO A 95	17.495	-11.128	23.333	1.00	83.35	A
	ATOM 648 CB THR A 84	-2.045	2.607	2.933	1.00	89.07	A	ATOM 733 O PRO A 95	18.224	-10.765	24.255	1.00	86.78	A
	ATOM 649 OG1 THR A 84	-2.526	2.908	1.623	1.00	89.62	A	ATOM 734 N CYS A 96	17.882	-11.976	22.390	1.00	168.79	A
	ATOM 650 CG2 THR A 84	-0.646	2.001	2.836	1.00	91.82	A	ATOM 735 CA CYS A 96	19.218	-12.534	22.380	1.00	168.58	A
	ATOM 651 C THR A 84	-2.584	1.543	5.051	1.00	53.07	A	ATOM 736 C CYS A 96	20.195	-11.536	21.794	1.00	169.68	A
	ATOM 652 O THR A 84	-2.915	2.422	5.845	1.00	54.38	A	ATOM 737 O CYS A 96	20.196	-11.279	20.589	1.00	169.98	A
	ATOM 653 N LYS A 85	-1.861	0.491	5.401	1.00	50.48	A	ATOM 738 CB CYS A 96	19.244	-13.828	21.573	1.00	200.84	A
	ATOM 654 CA LYS A 85	-1.408	0.352	6.760	1.00	50.34	A	ATOM 739 SG CYS A 96	18.348	-15.190	22.378	1.00	200.84	A
	ATOM 655 CB LYS A 85	-0.647	-0.957	6.941	1.00	74.05	A	ATOM 740 N GLN A 97	21.019	-10.969	22.667	1.00	200.84	A
10	ATOM 656 CG LYS A 85	-1.473	-2.140	7.405	1.00	70.99	A	ATOM 741 CA GLN A 97	22.024	-9.996	22.269	1.00	200.84	A
	ATOM 657 CD LYS A 85	-0.538	-3.307	7.740	1.00	69.39	A	ATOM 742 CB GLN A 97	22.488	-9.210	23.496	1.00	148.53	A
	ATOM 658 CE LYS A 85	-1.272	-4.483	8.374	1.00	67.69	A	ATOM 743 CG GLN A 97	21.349	-8.598	24.295	1.00	148.53	A
	ATOM 659 NZ LYS A 85	-2.299	-5.057	7.458	1.00	65.94	A	ATOM 744 CD GLN A 97	21.773	-8.193	25.692	1.00	148.53	A
	ATOM 660 C LYS A 85	-0.470	1.507	7.095	1.00	50.14	A	ATOM 745 OE1 GLN A 97	22.682	-7.380	25.868	1.00	148.53	A
	ATOM 661 O LYS A 85	0.512	1.734	6.386	1.00	50.59	A	ATOM 746 NE2 GLN A 97	21.115	-8.761	26.697	1.00	148.53	A
	ATOM 662 N VAL A 86	-0.795	2.259	8.143	1.00	51.20	A	ATOM 747 C GLN A 97	23.203	-10.744	21.647	1.00	200.84	A
	ATOM 663 CA VAL A 86	0.073	3.331	8.616	1.00	54.09	A	ATOM 748 O GLN A 97	24.361	-10.449	21.943	1.00	200.84	A
	ATOM 664 CB VAL A 86	-0.530	4.754	8.411	1.00	66.12	A	ATOM 749 N ARG A 98	22.889	-11.719	20.792	1.00	200.84	A
	ATOM 665 CG1 VAL A 86	-0.710	5.026	6.940	1.00	72.86	A	ATOM 750 CA ARG A 98	23.892	-12.537	20.111	1.00	200.84	A
	ATOM 666 CG2 VAL A 86	-1.850	4.890	9.116	1.00	67.39	A	ATOM 751 CB ARG A 98	24.955	-11.633	19.464	1.00	165.85	A
	ATOM 667 C VAL A 86	0.225	3.012	10.098	1.00	54.76	A	ATOM 752 CG ARG A 98	26.154	-12.360	18.862	1.00	165.85	A
15	ATOM 668 O VAL A 86	-0.762	2.771	10.788	1.00	59.45	A	ATOM 753 CD ARG A 98	25.766	-13.268	17.706	1.00	165.85	A
	ATOM 669 N ASN A 87	1.457	2.965	10.584	1.00	67.49	A	ATOM 754 NE ARG A 98	26.881	-14.114	17.290	1.00	165.85	A
	ATOM 670 CA ASN A 87	1.695	2.639	11.986	1.00	64.17	A	ATOM 755 CZ ARG A 98	28.071	-13.657	16.910	1.00	165.85	A
	ATOM 671 CB ASN A 87	3.172	2.316	12.193	1.00	58.77	A	ATOM 756 NHI ARG A 98	29.023	-14.508	16.550	1.00	165.85	A
	ATOM 672 CG ASN A 87	3.599	1.044	11.476	1.00	59.07	A	ATOM 757 NH2 ARG A 98	28.312	-12.352	16.887	1.00	165.85	A
	ATOM 673 OD1 ASN A 87	2.771	0.295	10.941	1.00	61.68	A	ATOM 758 C ARG A 98	24.551	-13.557	21.051	1.00	200.84	A
	ATOM 674 ND2 ASN A 87	4.900	0.785	11.476	1.00	56.03	A	ATOM 759 O ARG A 98	25.436	-14.310	20.639	1.00	200.84	A
	ATOM 675 C ASN A 87	1.272	3.712	12.992	1.00	62.99	A	ATOM 760 N GLU A 99	24.103	-13.591	22.306	1.00	200.68	A
	ATOM 676 O ASN A 87	1.615	4.889	12.845	1.00	61.57	A	ATOM 761 CA GLU A 99	24.649	-14.516	23.301	1.00	200.68	A
	ATOM 677 N LEU A 88	0.529	3.311	14.023	1.00	50.94	A	ATOM 762 CB GLU A 99	23.711	-14.628	24.511	1.00	183.53	A
	ATOM 678 CA LEU A 88	0.105	4.252	15.061	1.00	49.93	A	ATOM 763 CG GLU A 99	22.369	-13.928	24.346	1.00	183.53	A
20	ATOM 679 CB LEU A 88	-1.319	3.981	15.499	1.00	35.26	A	ATOM 764 CD GLU A 99	22.425	-12.458	24.715	1.00	183.53	A
	ATOM 680 CG LEU A 88	-2.386	4.084	14.429	1.00	32.19	A	ATOM 765 OE1 GLU A 99	23.396	-11.783	24.315	1.00	183.53	A
	ATOM 681 CD1 LEU A 88	-3.741	3.814	15.070	1.00	32.96	A	ATOM 766 OE2 GLU A 99	21.494	-11.977	25.398	1.00	183.53	A
	ATOM 682 CD2 LEU A 88	-2.332	5.460	13.779	1.00	30.76	A	ATOM 767 C GLU A 99	24.891	-15.910	22.726	1.00	200.68	A
	ATOM 683 C LEU A 88	1.002	4.096	16.270	1.00	49.17	A	ATOM 768 O GLU A 99	25.975	-16.468	22.884	1.00	200.68	A
	ATOM 684 O LEU A 88	1.427	5.064	16.870	1.00	47.64	A	ATOM 769 N THR A 100	23.876	-16.459	22.061	1.00	177.94	A
	ATOM 685 N LEU A 89	1.283	2.852	16.622	1.00	39.72	A	ATOM 770 CA THR A 100	23.949	-17.788	21.456	1.00	177.94	A
	ATOM 686 CA LEU A 89	2.122	2.538	17.766	1.00	38.64	A	ATOM 771 CB THR A 100	24.786	-17.772	20.154	1.00	163.57	A
	ATOM 687 CB LEU A 89	1.247	2.118	18.940	1.00	36.86	A	ATOM 772 OG1 THR A 100	26.090	-17.247	20.426	1.00	163.85	A
	ATOM 688 CG LEU A 89	0.117	3.066	19.328	1.00	40.84	A	ATOM 773 CG2 THR A 100	24.113	-16.913	19.095	1.00	164.74	A
	ATOM 689 CD1 LEU A 89	-0.916	2.303	20.130	1.00	40.57	A	ATOM 774 C THR A 100	24.528	-18.837	22.408	1.00	177.94	A
25	ATOM 690 CD2 LEU A 89	0.664	4.223	20.119	1.00	39.96	A	ATOM 775 O THR A 100	25.691	-18.762	22.805	1.00	177.94	A
	ATOM 691 C LEU A 89	3.018	1.376	17.375	1.00	40.31	A	ATOM 776 N PRO A 101	23.715	-19.837	22.783	1.00	200.53	A
	ATOM 692 O LEU A 89	2.576	0.433	16.711	1.00	41.03	A	ATOM 777 CD PRO A 101	22.340	-20.070	22.305	1.00	113.70	A
	ATOM 693 N SER A 90	4.272	1.434	17.798	1.00	47.00	A	ATOM 778 CA PRO A 101	24.132	-20.909	23.691	1.00	200.53	A
	ATOM 694 CA SER A 90	5.225	0.384	17.464	1.00	46.34	A	ATOM 779 CB PRO A 101	23.046	-21.963	23.491	1.00	114.65	A
	ATOM 695 CB SER A 90	5.712	0.566	16.025	1.00	79.05	A	ATOM 780 CG PRO A 101	21.831	-21.125	23.271	1.00	112.68	A
	ATOM 696 OG SER A 90	6.704	-0.392	15.702	1.00	83.27	A	ATOM 781 C PRO A 101	25.534	-21.446	23.401	1.00	200.53	A
	ATOM 697 C SER A 90	6.430	0.351	18.385	1.00	44.97	A	ATOM 782 O PRO A 101	25.768	-22.088	22.376	1.00	200.53	A
	ATOM 698 O SER A 90	6.908	1.387	18.838	1.00	44.79	A	ATOM 783 N GLU A 102	26.457	-21.172	24.317	1.00	191.30	A
	ATOM 699 N ALA A 91	6.926	-0.845	18.658	1.00	44.34	A	ATOM 784 CA GLU A 102	27.842	-21.612	24.198	1.00	191.30	A
	ATOM 700 CA ALA A 91	8.095	-0.985	19.508	1.00	42.43	A	ATOM 785 CB GLU A 102	28.561	-21.394	25.538	1.00	147.13	A
30	ATOM 701 CB ALA A 91	7.674	-1.180	20.955	1.00	30.60	A	ATOM 786 CG GLU A 102	30.004	-21.885	25.600	1.00	148.33	A
	ATOM 702 C ALA A 91	8.938	-2.162	19.023	1.00	46.40	A	ATOM 787 CD GLU A 102	30.114	-23.399	25.683	1.00	149.64	A
	ATOM 703 O ALA A 91	8.445	-3.048	18.323	1.00	48.27	A	ATOM 788 OE1 GLU A 102	29.577	-23.990	26.648	1.00	150.45	A
	ATOM 704 N ILE A 92	10.214	-2.154	19.392	1.00	45.16	A	ATOM 789 OE2 GLU A 102	30.740	-23.997	24.782	1.00	148.76	A
	ATOM 705 CA ILE A 92	11.144	-3.196	18.990	1.00	45.14	A	ATOM 790 C GLU A 102	27.940	-23.079	23.770	1.00	187.86	A
	ATOM 706 CB ILE A 92	12.160	-2.651	17.974	1.00	55.56	A	ATOM 791 O GLU A 102	28.800	-23.441	22.965	1.00	184.92	A
	ATOM 707 CG2 ILE A 92	13.040	-3.768	17.478	1.00	61.63	A	ATOM 792 N GLY A 103	27.055	-23.914	24.307	1.00	145.69	A
	ATOM 708 CG1 ILE A 92	11.423	-2.010	16.796	1.00	53.67	A	ATOM 793 CA GLY A 103	27.063	-25.329	23.974	1.00	143.01	A
	ATOM 709 CD1 ILE A 92	12.329	-1.290	15.821	1.00	59.54	A	ATOM 794 C GLY A 103	26.570	-26.179	25.130	1.00	140.88	A
	ATOM 710 C ILE A 92	11.893	-3.657	20.221	1.00	44.97	A	ATOM 795 O GLY A 103	26.309	-27.373	24.971	1.00	135.37	A
	ATOM 711 O ILE A 92	12.143	-2.861	21.123	1.00	46.05	A	ATOM 796 N ALA A 104	26.446	-25.557	26.298	1.00	177.61	A
	ATOM 712 N LYS A 93	12.252	-4.936	20.262	1.00	67.76	A	ATOM 797 CA ALA A 104	25.979	-26.238	27.500	1.00	177.61	A
35	ATOM 713 CA LYS A 93	12.985	-5.474	21.403	1.00	68.41	A	ATOM 798 CB ALA A 104	27.165	-26.577	28.401	1.00	92.35	A
	ATOM 714 CB LYS A 93	12.008	-6.066	22.418	1.00	57.46	A	ATOM 799 C ALA A 104						

65251/C766

1	ATOM	806	OE1	GLU	A	105	22.413	-26.771	31.399	1.00196.22	A	ATOM	891	C	TYR	A	114	2.950	-1.790	24.725	1.00	41.03	A	
	ATOM	807	OE2	GLU	A	105	22.554	-25.499	33.183	1.00194.99	A	ATOM	892	O	TYR	A	114	3.934	-1.072	24.543	1.00	43.94	A	
	ATOM	808	C	GLU	A	105	21.694	-24.354	28.070	1.00160.16	A	ATOM	893	N	LEU	A	115	1.772	-1.564	24.164	1.00	37.66	A	
	ATOM	809	O	GLU	A	105	21.083	-24.942	27.175	1.00160.16	A	ATOM	894	CA	LEU	A	115	1.551	-0.459	23.244	1.00	36.70	A	
	ATOM	810	N	ALA	A	106	21.582	-23.045	28.299	1.00163.39	A	ATOM	895	CB	LEU	A	115	1.543	-0.994	21.806	1.00	41.07	A	
5	ATOM	811	CA	ALA	A	106	20.733	-22.144	27.514	1.00163.39	A	ATOM	896	CG	LEU	A	115	2.680	-0.685	20.828	1.00	44.32	A	
	ATOM	812	CB	ALA	A	106	20.711	-22.565	26.042	1.00	98.03	A	ATOM	897	CD1	LEU	A	115	4.030	-0.675	21.529	1.00	42.70	A
	ATOM	813	C	ALA	A	106	19.309	-22.084	28.062	1.00163.39	A	ATOM	898	CD2	LEU	A	115	2.637	-1.706	19.711	1.00	47.62	A	
	ATOM	814	O	ALA	A	106	18.412	-22.762	27.560	1.00163.39	A	ATOM	899	C	LEU	A	115	0.208	0.173	23.560	1.00	39.14	A	
	ATOM	815	N	LYS	A	107	19.113	-21.265	29.094	1.00120.55	A	ATOM	900	O	LEU	A	115	-0.757	-0.543	23.828	1.00	41.67	A	
10	ATOM	816	CA	LYS	A	107	17.806	-21.094	29.729	1.00114.67	A	ATOM	901	N	GLY	A	116	0.134	1.503	23.523	1.00	42.26	A	
	ATOM	817	CB	LYS	A	107	17.943	-20.286	31.029	1.00188.28	A	ATOM	902	CA	GLY	A	116	-1.128	2.162	23.806	1.00	36.60	A	
	ATOM	818	CG	LYS	A	107	18.523	-21.038	32.225	1.00188.23	A	ATOM	903	C	GLY	A	116	-1.142	3.656	23.603	1.00	40.45	A	
	ATOM	819	CD	LYS	A	107	19.968	-21.458	32.010	1.00189.66	A	ATOM	904	O	GLY	A	116	-0.182	4.331	23.919	1.00	39.33	A	
	ATOM	820	CE	LYS	A	107	20.567	-22.020	33.292	1.00185.70	A	ATOM	905	N	GLY	A	117	-2.242	4.172	23.070	1.00	37.25	A	
15	ATOM	821	NZ	LYS	A	107	19.752	-23.133	33.855	1.00185.96	A	ATOM	906	CA	GLY	A	117	-2.377	5.601	22.839	1.00	40.25	A	
	ATOM	822	C	LYS	A	107	16.817	-20.381	28.806	1.00110.15	A	ATOM	907	C	GLY	A	117	-3.783	5.970	22.389	1.00	41.56	A	
	ATOM	823	O	LYS	A	107	17.200	-19.842	27.768	1.00109.28	A	ATOM	908	O	GLY	A	117	-4.591	5.099	22.070	1.00	42.94	A	
	ATOM	824	N	PRO	A	108	15.524	-20.379	29.174	1.00102.02	A	ATOM	909	N	VAL	A	118	-4.079	7.263	22.356	1.00	39.42	A	
	ATOM	825	CD	PRO	A	108	14.896	-21.146	30.268	1.00	97.80	A	ATOM	910	CA	VAL	A	118	-5.396	7.733	21.942	1.00	42.20	A
20	ATOM	826	CA	PRO	A	108	14.502	-19.718	28.360	1.00100.76	A	ATOM	911	CB	VAL	A	118	-5.867	8.854	22.880	1.00	31.82	A	
	ATOM	827	CB	PRO	A	108	13.222	-20.430	28.780	1.00	96.95	A	ATOM	912	CG1	VAL	A	118	-7.199	9.412	22.421	1.00	33.22	A
	ATOM	828	CG	PRO	A	108	13.455	-20.656	30.231	1.00	94.33	A	ATOM	913	CG2	VAL	A	118	-5.974	8.311	24.288	1.00	31.88	A
	ATOM	829	C	PRO	A	108	14.457	-18.225	28.672	1.00	99.99	A	ATOM	914	C	VAL	A	118	-5.355	8.233	20.495	1.00	40.11	A
	ATOM	830	O	PRO	A	108	14.923	-17.795	29.725	1.00	98.17	A	ATOM	915	O	VAL	A	118	-4.407	8.916	20.104	1.00	44.06	A
25	ATOM	831	N	TRP	A	109	13.910	-17.440	27.749	1.00	68.84	A	ATOM	916	N	PHE	A	119	-6.371	7.886	19.701	1.00	45.47	A
	ATOM	832	CA	TRP	A	109	13.796	-15.999	27.937	1.00	66.29	A	ATOM	917	CA	PHE	A	119	-6.410	8.286	18.291	1.00	46.78	A
	ATOM	833	CB	TRP	A	109	14.799	-15.248	27.065	1.00	71.98	A	ATOM	918	CB	PHE	A	119	-5.855	7.167	17.402	1.00	34.22	A
	ATOM	834	CG	TRP	A	109	14.709	-15.572	25.605	1.00	71.67	A	ATOM	919	CG	PHE	A	119	-4.417	6.827	17.680	1.00	31.82	A
	ATOM	835	CD2	TRP	A	109	13.802	-15.006	24.644	1.00	70.68	A	ATOM	920	CD1	PHE	A	119	-4.073	5.953	18.711	1.00	30.01	A
30	ATOM	836	CE2	TRP	A	109	14.098	-15.593	23.396	1.00	69.93	A	ATOM	921	CD2	PHE	A	119	-3.396	7.410	16.934	1.00	30.50	A
	ATOM	837	CE3	TRP	A	109	12.771	-14.062	24.717	1.00	70.78	A	ATOM	922	CE1	PHE	A	119	-2.727	5.665	18.998	1.00	31.08	A
	ATOM	838	CD1	TRP	A	109	15.484	-16.453	24.919	1.00	68.77	A	ATOM	923	CE2	PHE	A	119	-2.051	7.133	17.207	1.00	31.31	A
	ATOM	839	NE1	TRP	A	109	15.128	-16.471	23.594	1.00	67.09	A	ATOM	924	CZ	PHE	A	119	-1.713	6.258	18.243	1.00	30.40	A
	ATOM	840	CZ2	TRP	A	109	13.400	-15.269	22.228	1.00	66.38	A	ATOM	925	C	PHE	A	119	-7.782	8.671	17.765	1.00	47.69	A
35	ATOM	841	CZ3	TRP	A	109	12.076	-13.740	23.553	1.00	70.54	A	ATOM	926	O	PHE	A	119	-8.800	8.189	18.262	1.00	43.79	A
	ATOM	842	CH2	TRP	A	109	12.397	-14.344	22.325	1.00	66.18	A	ATOM	927	N	GLN	A	120	-7.792	9.551	16.757	1.00	37.20	A
	ATOM	843	C	TRP	A	109	12.393	-15.494	27.623	1.00	67.90	A	ATOM	928	CA	GLN	A	120	-9.020	10.013	16.102	1.00	40.57	A
	ATOM	844	O	TRP	A	109	11.714	-15.997	26.720	1.00	69.51	A	ATOM	929	CB	GLN	A	120	-8.800	11.377	15.455	1.00	74.60	A
	ATOM	845	N	TYR	A	110	11.970	-14.493	28.386	1.00	56.87	A	ATOM	930	CG	GLN	A	120	-9.730	12.477	15.929	1.00	74.75	A

65251/C766

1	ATOM 976 CB ARG A 126	-9.232	-2.027	9.229	1.00	66.97	A	ATOM 1061 CD2 TYR A 136	11.147	-17.313	19.873	1.00	84.52	A
	ATOM 977 CG ARG A 126	-10.467	-2.410	8.437	1.00	65.46	A	ATOM 1062 CE2 TYR A 136	12.421	-17.677	19.437	1.00	83.99	A
	ATOM 978 CD ARG A 126	-10.067	-3.058	7.115	1.00	70.38	A	ATOM 1063 CZ TYR A 136	12.988	-17.018	18.355	1.00	85.29	A
	ATOM 979 NE ARG A 126	-11.189	-3.755	6.496	1.00	73.93	A	ATOM 1064 OH TYR A 136	14.248	-17.357	17.923	1.00	89.13	A
	ATOM 980 CZ ARG A 126	-11.639	-4.955	6.877	1.00	77.16	A	ATOM 1065 C TYR A 136	6.852	-16.505	20.619	1.00	56.14	A
	ATOM 981 NH1 ARG A 126	-12.678	-5.513	6.257	1.00	76.83	A	ATOM 1066 O TYR A 136	7.063	-16.186	21.788	1.00	59.02	A
	ATOM 982 NH2 ARG A 126	-11.039	-5.612	7.865	1.00	75.35	A	ATOM 1067 N LEU A 137	5.645	-16.493	20.074	1.00	65.58	A
	ATOM 983 C ARG A 126	-8.195	-1.085	11.287	1.00	44.23	A	ATOM 1068 CA LEU A 137	4.476	-16.074	20.825	1.00	62.29	A
	ATOM 984 O ARG A 126	-7.214	-0.489	10.845	1.00	41.45	A	ATOM 1069 CB LEU A 137	3.272	-16.008	19.897	1.00	61.71	A
5	ATOM 985 N LEU A 127	-8.185	-1.686	12.472	1.00	46.87	A	ATOM 1070 CG LEU A 137	2.581	-14.657	19.747	1.00	59.44	A
	ATOM 986 CA LEU A 127	-6.987	-1.654	13.298	1.00	43.25	A	ATOM 1071 CD1 LEU A 137	1.272	-14.870	19.011	1.00	61.58	A
	ATOM 987 CB LEU A 127	-7.340	-1.170	14.704	1.00	48.60	A	ATOM 1072 CD2 LEU A 137	2.309	-14.041	21.104	1.00	63.20	A
	ATOM 988 CG LEU A 127	-7.934	0.236	14.740	1.00	47.58	A	ATOM 1073 C LEU A 137	4.130	-16.978	22.003	1.00	61.66	A
	ATOM 989 CD1 LEU A 127	-8.549	0.505	16.091	1.00	48.16	A	ATOM 1074 O LEU A 137	3.811	-18.153	21.809	1.00	60.51	A
	ATOM 990 CD2 LEU A 127	-6.852	1.244	14.435	1.00	48.24	A	ATOM 1075 N LEU A 138	4.186	-16.436	23.222	1.00	69.22	A
	ATOM 991 C LEU A 127	-6.363	-3.037	13.348	1.00	43.00	A	ATOM 1076 CA LEU A 138	3.818	-17.220	24.407	1.00	67.02	A
	ATOM 992 O LEU A 127	-7.072	-4.033	13.465	1.00	39.20	A	ATOM 1077 CB LEU A 138	4.774	-16.997	25.590	1.00	56.18	A
	ATOM 993 N SER A 128	-5.039	-3.090	13.245	1.00	45.82	A	ATOM 1078 CG LEU A 138	4.220	-17.599	26.905	1.00	52.30	A
	ATOM 994 CA SER A 128	-4.314	-4.354	13.265	1.00	45.49	A	ATOM 1079 CD1 LEU A 138	3.762	-19.021	26.660	1.00	53.87	A
	ATOM 995 CB SER A 128	-3.617	-4.591	11.928	1.00	89.30	A	ATOM 1080 CD2 LEU A 138	5.257	-17.575	28.011	1.00	55.22	A
10	ATOM 996 OG SER A 128	-4.445	-4.210	10.850	1.00	95.15	A	ATOM 1081 C LEU A 138	2.409	-16.878	24.869	1.00	70.37	A
	ATOM 997 C SER A 128	-3.252	-4.340	14.360	1.00	44.67	A	ATOM 1082 O LEU A 138	2.203	-15.909	25.597	1.00	69.52	A
	ATOM 998 O SER A 128	-2.601	-3.321	14.610	1.00	45.95	A	ATOM 1083 N PHE A 139	1.446	-17.683	24.443	1.00	45.99	A
	ATOM 999 N ALA A 129	-3.084	-5.479	15.016	1.00	55.08	A	ATOM 1084 CA PHE A 139	0.067	-17.477	24.827	1.00	47.37	A
	ATOM 1000 CA ALA A 129	-2.083	-5.627	16.060	1.00	56.05	A	ATOM 1085 CB PHE A 139	-0.808	-17.252	23.582	1.00	64.78	A
	ATOM 1001 CB ALA A 129	-2.758	-5.896	17.408	1.00	50.49	A	ATOM 1086 CG PHE A 139	-0.531	-18.199	22.450	1.00	63.93	A
	ATOM 1002 C ALA A 129	-1.266	-6.829	15.606	1.00	54.82	A	ATOM 1087 CD1 PHE A 139	-0.749	-17.798	21.137	1.00	63.46	A
	ATOM 1003 O ALA A 129	-1.675	-7.975	15.796	1.00	55.70	A	ATOM 1088 CD2 PHE A 139	-0.068	-19.490	22.690	1.00	66.54	A
	ATOM 1004 N GLU A 130	-0.119	-6.564	14.990	1.00	57.27	A	ATOM 1089 CE1 PHE A 139	-0.510	-18.666	20.079	1.00	68.10	A
	ATOM 1005 CA GLU A 130	0.721	-7.632	14.468	1.00	58.24	A	ATOM 1090 CE2 PHE A 139	0.174	-20.367	21.641	1.00	64.08	A
	ATOM 1006 CB GLU A 130	0.821	-7.479	12.952	1.00	110.53	A	ATOM 1091 CZ PHE A 139	-0.047	-19.956	20.330	1.00	68.02	A
	ATOM 1007 CG GLU A 130	-0.533	-7.522	12.263	1.00	110.07	A	ATOM 1092 C PHE A 139	-0.400	-18.687	25.628	1.00	51.40	A
15	ATOM 1008 CD GLU A 130	-0.527	-6.873	10.888	1.00	115.56	A	ATOM 1093 O PHE A 139	-1.542	-19.140	25.506	1.00	51.50	A
	ATOM 1009 OE1 GLU A 130	-1.580	-6.917	10.213	1.00	116.93	A	ATOM 1094 N ALA A 140	0.498	-19.195	26.466	1.00	65.81	A
	ATOM 1010 OE2 GLU A 130	0.518	-6.314	10.482	1.00	115.37	A	ATOM 1095 CA ALA A 140	0.211	-20.361	27.284	1.00	67.11	A
	ATOM 1011 C GLU A 130	2.117	-7.731	15.079	1.00	54.63	A	ATOM 1096 CB ALA A 140	1.509	-21.026	27.716	1.00	53.15	A
	ATOM 1012 O GLU A 130	2.598	-6.804	15.725	1.00	54.55	A	ATOM 1097 C ALA A 140	-0.620	-20.040	28.509	1.00	67.50	A
	ATOM 1013 N ILE A 131	2.748	-8.886	14.887	1.00	55.18	A	ATOM 1098 O ALA A 140	-1.572	-20.752	28.817	1.00	69.39	A
	ATOM 1014 CA ILE A 131	4.104	-9.136	15.368	1.00	57.72	A	ATOM 1099 N GLU A 141	-0.258	-18.972	29.211	1.00	82.80	A
	ATOM 1015 CB ILE A 131	4.129	-10.116	16.541	1.00	59.77	A	ATOM 1100 CA GLU A 141	-0.969	-18.604	30.423	1.00	85.98	A
	ATOM 1016 CG2 ILE A 131	3.477	-9.477	17.758	1.00	60.00	A	ATOM 1101 CB GLU A 141	-0.169	-17.575	31.228	1.00	200.84	A
	ATOM 1017 CG1 ILE A 131	3.441	-11.421	16.130	1.00	55.96	A	ATOM 1102 CG GLU A 141	-0.780	-17.237	32.588	1.00	200.84	A
	ATOM 1018 CD1 ILE A 131	3.482	-12.491	17.194	1.00	54.57	A	ATOM 1103 CD GLU A 141	-1.850	-16.155	32.519	1.00	200.84	A
20	ATOM 1019 C ILE A 131	4.866	-9.761	14.216	1.00	59.61	A	ATOM 1104 OE1 GLU A 141	-2.727	-16.126	33.408	1.00	200.84	A
	ATOM 1020 O ILE A 131	4.254	-10.268	13.278	1.00	60.33	A	ATOM 1105 OE2 GLU A 141	-1.809	-15.324	31.588	1.00	200.84	A
	ATOM 1021 N ASN A 132	6.191	-9.740	14.290	1.00	63.24	A	ATOM 1106 C GLU A 141	-2.376	-18.089	30.185	1.00	88.08	A
	ATOM 1022 CA ASN A 132	7.015	-10.295	13.223	1.00	60.24	A	ATOM 1107 O GLU A 141	-3.332	-18.846	30.319	1.00	91.76	A
	ATOM 1023 CB ASN A 132	8.245	-9.422	13.027	1.00	54.69	A	ATOM 1108 N SER A 142	-2.522	-16.818	29.825	1.00	81.98	A
	ATOM 1024 CG ASN A 132	9.167	-9.468	14.210	1.00	53.39	A	ATOM 1109 CA SER A 142	-3.862	-16.277	29.637	1.00	84.97	A
	ATOM 1025 OD1 ASN A 132	8.725	-9.449	15.359	1.00	55.08	A	ATOM 1110 CB SER A 142	-4.657	-16.482	30.920	1.00	49.82	A
	ATOM 1026 ND2 ASN A 132	10.462	-9.524	13.943	1.00	51.22	A	ATOM 1111 OG SER A 142	-6.033	-16.316	30.690	1.00	50.70	A
	ATOM 1027 C ASN A 132	7.452	-11.744	13.456	1.00	57.89	A	ATOM 1112 C SER A 142	-3.900	-14.795	29.261	1.00	86.29	A
	ATOM 1028 O ASN A 132	7.698	-12.473	12.495	1.00	61.06	A	ATOM 1113 O SER A 142	-4.101	-14.434	28.095	1.00	91.38	A
	ATOM 1029 N ARG A 133	7.551	-12.164	14.718	1.00	56.81	A	ATOM 1114 N GLY A 143	-3.735	-13.931	30.254	1.00	53.11	A
25	ATOM 1030 CA ARG A 133	7.967	-13.535	15.030	1.00	52.40	A	ATOM 1115 CA GLY A 143	-3.756	-12.511	29.960	1.00	50.58	A
	ATOM 1031 CB ARG A 133	9.280	-13.518	15.821	1.00	71.03	A	ATOM 1116 C GLY A 143	-2.387	-12.006	29.535	1.00	48.65	A
	ATOM 1032 CG ARG A 133	10.450	-12.904	15.073	1.00	73.61	A	ATOM 1117 O GLY A 143	-1.985	-10.912	29.925	1.00	50.64	A
	ATOM 1033 CD ARG A 133	10.704	-13.621	13.752	1.00	78.85	A	ATOM 1118 N GLN A 144	-1.678	-12.800	28.731	1.00	50.41	A
	ATOM 1034 NE ARG A 133	10.997	-15.043	13.935	1.00	76.71	A	ATOM 1119 CA GLN A 144	-0.339	-12.457	28.263	1.00	44.94	A
	ATOM 1035 CZ ARG A 133	12.131	-15.520	14.440	1.00	77.81	A	ATOM 1120 CB GLN A 144	0.539	-13.704	28.228	1.00	60.83	A
	ATOM 1036 NH1 ARG A 133	12.305	-16.828	14.571	1.00	80.49	A	ATOM 1121 CG GLN A 144	0.483	-14.537	29.493	1.00	60.11	A
	ATOM 1037 NH2 ARG A 133	13.097	-14.691	14.805	1.00	77.10	A	ATOM 1122 CD GLN A 144	1.480	-15.677	29.484	1.00	60.08	A
	ATOM 1038 C ARG A 133	6.920	-14.338	15.803	1.00	56.99	A	ATOM 1123 OE1 GLN A 144	1.593	-16.422	28.507	1.00	65.65	A
	ATOM 1039 O ARG A 133	7.143	-14.701	16.954	1.00	59.35	A	ATOM 1124 NE2 GLN A 144	2.206	-15.825	30.583	1.00	58.62	A
	ATOM 1040 N PRO A 134	5.771	-14.647	15.170	1.00	48.15	A	ATOM 1125 C GLN A 144	-0.334	-11.822	26.885	1.00	46.74	A
30	ATOM 1041 CD PRO A 134	5.451	-14.444	13.745	1.00	40.46	A	ATOM 1126 O GLN A 144	0.606	-11.132	26.518	1.00	49.05	A
	ATOM 1042 CA PRO A 134	4.704	-15.414	15.827	1.00	51.87	A	ATOM 1127 N VAL A 145	-1.379	-12.061	26.114	1.00	40.36	A
	ATOM 1043 CB PRO A 134	3.644	-15.542	14.738	1.00	43.18	A	ATOM 1128 CA VAL A 145	-1.463	-11.502	24.782	1.00	38.61	A
	ATOM 1044 CG PRO A 134	4.459	-15.556	13.486	1.00	45.18	A	ATOM 1129 CB VAL A 145	-1.133	-12.569	23.726	1.00	32.42	A
	ATOM 1045 C PRO A 134	5.157	-16.767	16.341	1.00	57.05	A	ATOM 1130 CG1 VAL A 145	-1.186	-11.964	22.330	1.00	30.58	A
	ATOM 1046 O PRO A 134	4.445	-17.412	17.091	1.00	60.09	A	ATOM 1131 CG2 VAL A 145	0.238	-13.134	23.985	1.00	29.50	A
	ATOM 1047 N ASP A 135	6.343	-17.199	15.938	1.00	73.14	A	ATOM 1132 C VAL A 145	-2.874	-10.979	24.546	1.00	39.72	A
	ATOM 1048 CA ASP A 135	6.858	-18.479	16.395	1.00	69.60	A	ATOM 1133 O VAL A 145	-3.824	-11.754	24.513	1.00	42.40	A
	ATOM 1049 CB ASP A 135	7.953	-18.973	15.443	1.00	117.53	A	ATOM 1134 N TYR A 146	-3.010	-9.665	24.386	1.00	48.62	A
	ATOM 1050 CG ASP A 135	8.905	-17.873	15.028	1.00	117.00	A	ATOM 1135 CA TYR A 146	-4.310	-9.056	24.152	1.00	46.83	A
	ATOM 1051 OD1 ASP A 135	9.747	-17.473	15.857	1.00	112.94	A	ATOM 1136 CB TYR A 146	-4.995	-8.703	25.479	1.00	42.62	A
	ATOM 1052 OD2 ASP A 135	8.806	-17.403	13.873	1.00	118.58	A	ATOM 1137 CG TYR A 146	-4.125	-7.951	26.456	1.00	42.65	A
35	ATOM 1053 C ASP A 135	7.379	-18.389											

65251/C766

1	ATOM 1146 N PHE A 147	-5.385	-7.387	22.797	1.00	40.60	A	ATOM 1231 OH TYR A 157	-16.271	-30.162	34.968	1.00	31.18	A
	ATOM 1147 CA PHE A 147	-5.513	-6.260	21.895	1.00	40.12	A	ATOM 1232 C TYR A 157	-23.779	-32.372	33.666	1.00	40.86	A
	ATOM 1148 CB PHE A 147	-5.324	-6.785	20.471	1.00	45.79	A	ATOM 1233 O TYR A 157	-24.696	-31.555	33.525	1.00	40.86	A
	ATOM 1149 CG PHE A 147	-5.648	-5.799	19.384	1.00	44.84	A	ATOM 1234 N ASN A 158	-24.003	-33.634	34.001	1.00	40.05	A
	ATOM 1150 CD1 PHE A 147	-5.364	-4.445	19.526	1.00	45.33	A	ATOM 1235 CA ASN A 158	-25.357	-34.150	34.193	1.00	40.05	A
	ATOM 1151 CD2 PHE A 147	-6.188	-6.248	18.176	1.00	47.17	A	ATOM 1236 CB ASN A 158	-25.697	-35.122	33.038	1.00	41.10	A
	ATOM 1152 CE1 PHE A 147	-5.613	-3.554	18.479	1.00	45.66	A	ATOM 1237 CG ASN A 158	-27.106	-35.709	33.120	1.00	51.80	A
	ATOM 1153 CE2 PHE A 147	-6.439	-5.366	17.127	1.00	45.74	A	ATOM 1238 OD1 ASN A 158	-27.855	-35.469	34.072	1.00	51.80	A
	ATOM 1154 CZ PHE A 147	-6.150	-4.018	17.279	1.00	46.58	A	ATOM 1239 ND2 ASN A 158	-27.447	-36.497	32.098	1.00	51.80	A
5	ATOM 1155 C PHE A 147	-6.919	-5.715	22.109	1.00	41.66	A	ATOM 1240 C ASN A 158	-25.448	-34.862	35.535	1.00	40.05	A
	ATOM 1156 O PHE A 147	-7.890	-6.461	22.051	1.00	39.14	A	ATOM 1241 O ASN A 158	-24.784	-35.869	35.749	1.00	40.05	A
	ATOM 1157 N GLY A 148	-7.029	-4.417	22.378	1.00	30.16	A	ATOM 1242 N TYR A 159	-26.241	-34.318	36.447	1.00	39.38	A
	ATOM 1158 CA GLY A 148	-8.333	-3.832	22.609	1.00	34.64	A	ATOM 1243 CA TYR A 159	-26.447	-34.947	37.741	1.00	39.38	A
	ATOM 1159 C GLY A 148	-8.434	-2.350	22.308	1.00	36.86	A	ATOM 1244 CB TYR A 159	-26.331	-33.946	38.888	1.00	34.13	A
	ATOM 1160 O GLY A 148	-7.439	-1.670	22.070	1.00	39.47	A	ATOM 1245 CG TYR A 159	-24.985	-33.308	39.068	1.00	37.69	A
	ATOM 1161 N ILE A 149	-9.666	-1.859	22.301	1.00	50.38	A	ATOM 1246 CD1 TYR A 159	-24.611	-32.205	38.310	1.00	37.69	A
	ATOM 1162 CA ILE A 149	-9.942	-0.460	22.054	1.00	48.79	A	ATOM 1247 CE1 TYR A 159	-23.402	-31.554	38.534	1.00	37.69	A
	ATOM 1163 CB ILE A 149	-10.090	-0.140	20.552	1.00	58.12	A	ATOM 1248 CD2 TYR A 159	-24.110	-33.758	40.051	1.00	37.69	A
	ATOM 1164 CG2 ILE A 149	-8.908	-0.683	19.770	1.00	58.67	A	ATOM 1249 CE2 TYR A 159	-22.900	-33.121	40.280	1.00	37.69	A
	ATOM 1165 CG1 ILE A 149	-11.368	-0.757	20.005	1.00	54.16	A	ATOM 1250 CZ TYR A 159	-22.552	-32.009	39.517	1.00	37.69	A
10	ATOM 1166 CD1 ILE A 149	-11.642	-0.329	18.594	1.00	57.41	A	ATOM 1251 OH TYR A 159	-21.372	-31.328	39.750	1.00	37.69	A
	ATOM 1167 C ILE A 149	-11.242	-0.101	22.749	1.00	50.83	A	ATOM 1252 C TYR A 159	-27.875	-35.481	37.733	1.00	39.38	A
	ATOM 1168 O ILE A 149	-12.148	-0.927	22.875	1.00	56.00	A	ATOM 1253 O TYR A 159	-28.807	-34.739	37.416	1.00	39.38	A
	ATOM 1169 N ILE A 150	-11.324	1.141	23.199	1.00	38.72	A	ATOM 1254 N THR A 160	-28.062	-36.748	38.092	1.00	42.26	A
	ATOM 1170 CA ILE A 150	-12.503	1.642	23.884	1.00	39.23	A	ATOM 1255 CA THR A 160	-29.407	-37.292	38.099	1.00	42.26	A
	ATOM 1171 CB ILE A 150	-12.268	1.652	25.423	1.00	43.84	A	ATOM 1256 CB THR A 160	-29.683	-38.044	36.794	1.00	48.60	A
	ATOM 1172 CG2 ILE A 150	-11.007	2.412	25.753	1.00	47.14	A	ATOM 1257 OG1 THR A 160	-29.364	-37.201	35.678	1.00	35.94	A
	ATOM 1173 CG1 ILE A 150	-13.453	2.281	26.151	1.00	41.83	A	ATOM 1258 CG2 THR A 160	-31.147	-38.445	36.715	1.00	35.94	A
	ATOM 1174 CD1 ILE A 150	-14.672	1.425	26.166	1.00	39.84	A	ATOM 1259 C THR A 160	-29.753	-38.229	39.251	1.00	42.26	A
	ATOM 1175 C ILE A 150	-12.738	3.062	23.366	1.00	40.57	A	ATOM 1260 O THR A 160	-29.045	-39.208	39.489	1.00	42.26	A
	ATOM 1176 O ILE A 150	-11.803	3.840	23.213	1.00	39.68	A	ATOM 1261 N VAL A 161	-30.827	-37.925	39.979	1.00	41.05	A
	ATOM 1177 N ALA A 151	-13.983	3.391	23.068	1.00	48.22	A	ATOM 1262 CA VAL A 161	-31.278	-38.833	41.028	1.00	41.05	A
15	ATOM 1178 CA ALA A 151	-14.301	4.722	22.579	1.00	46.96	A	ATOM 1263 CB VAL A 161	-31.457	-38.137	42.395	1.00	59.89	A
	ATOM 1179 CB ALA A 151	-15.619	4.693	21.829	1.00	21.38	A	ATOM 1264 CG1 VAL A 161	-30.231	-37.332	42.710	1.00	44.40	A
	ATOM 1180 C ALA A 151	-14.384	5.701	23.750	1.00	47.92	A	ATOM 1265 CG2 VAL A 161	-32.682	-37.281	42.395	1.00	44.40	A
	ATOM 1181 O ALA A 151	-15.133	5.490	24.704	1.00	50.30	A	ATOM 1266 C VAL A 161	-32.621	-39.416	40.530	1.00	41.05	A
	ATOM 1182 N LEU A 152	-13.609	6.773	23.683	1.00	79.22	A	ATOM 1267 O VAL A 161	-33.454	-38.706	39.951	1.00	41.05	A
	ATOM 1183 CA LEU A 152	-13.617	7.762	24.745	1.00	83.20	A	ATOM 1268 N THR A 162	-32.812	-40.714	40.735	1.00	71.23	A
	ATOM 1184 CB LEU A 152	-12.190	8.134	25.120	1.00	51.00	A	ATOM 1269 CA THR A 162	-34.030	-41.384	40.298	1.00	71.23	A
	ATOM 1185 CG LEU A 152	-11.364	6.972	25.648	1.00	52.25	A	ATOM 1270 CB THR A 162	-33.717	-42.364	39.187	1.00	84.69	A
	ATOM 1186 CD1 LEU A 152	-9.960	7.442	25.932	1.00	49.94	A	ATOM 1271 OG1 THR A 162	-32.661	-41.835	38.381	1.00	56.02	A
	ATOM 1187 CD2 LEU A 152	-11.996	6.424	26.897	1.00	51.45	A	ATOM 1272 CG2 THR A 162	-34.929	-42.570	38.315	1.00	56.02	A
	ATOM 1188 C LEU A 152	-14.376	9.004	24.319	1.00	86.05	A	ATOM 1273 C THR A 162	-34.680	-42.161	41.428	1.00	71.23	A
20	ATOM 1189 O LEU A 152	-15.459	9.276	24.829	1.00	91.91	A	ATOM 1274 O THR A 162	-33.985	-42.671	42.309	1.00	71.23	A
	ATOM 1190 N ILE A 153	-16.557	-27.053	20.409	1.00	49.14	A	ATOM 1275 N LEU A 163	-36.006	-42.259	41.410	1.00	113.54	A
	ATOM 1191 CA ILE A 153	-16.360	-27.912	21.567	1.00	49.14	A	ATOM 1276 CA LEU A 163	-36.704	-42.997	42.449	1.00	113.54	A
	ATOM 1192 CB ILE A 153	-15.011	-27.653	22.245	1.00	44.26	A	ATOM 1277 CB LEU A 163	-38.174	-42.600	42.516	1.00	125.52	A
	ATOM 1193 CG2 ILE A 153	-13.889	-28.120	21.346	1.00	41.04	A	ATOM 1278 CG LEU A 163	-38.622	-42.124	43.901	1.00	73.61	A
	ATOM 1194 CG1 ILE A 153	-14.869	-26.171	22.579	1.00	41.04	A	ATOM 1279 CD1 LEU A 163	-40.124	-41.947	43.914	1.00	73.61	A
	ATOM 1195 CD1 ILE A 153	-13.557	-25.831	23.273	1.00	41.04	A	ATOM 1280 CD2 LEU A 163	-38.208	-43.129	44.966	1.00	73.61	A
	ATOM 1196 C ILE A 153	-17.461	-27.747	22.602	1.00	49.14	A	ATOM 1281 C LEU A 163	-36.593	-44.482	42.167	1.00	113.54	A
	ATOM 1197 O ILE A 153	-18.145	-26.719	22.663	1.00	49.14	A	ATOM 1282 O LEU A 163	-36.981	-45.306	42.994	1.00	113.54	A
	ATOM 1198 N THR A 154	-17.606	-28.776	23.430	1.00	51.13	A	ATOM 1283 N LYS A 164	-36.054	-44.822	41.000	1.00	66.17	A
	ATOM 1199 CA THR A 154	-18.647	-28.813	24.436	1.00	51.13	A	ATOM 1284 CA LYS A 164	-35.889	-46.223	40.618	1.00	66.17	A
25	ATOM 1200 CB THR A 154	-19.852	-29.594	23.872	1.00	37.42	A	ATOM 1285 CB LYS A 164	-34.755	-46.875	41.412	1.00	71.17	A
	ATOM 1201 OG1 THR A 154	-20.865	-28.662	23.499	1.00	47.70	A	ATOM 1286 CG LYS A 164	-33.462	-47.041	40.638	1.00	70.92	A
	ATOM 1202 CG2 THR A 154	-20.405	-30.608	24.881	1.00	47.70	A	ATOM 1287 CD LYS A 164	-33.666	-47.946	39.444	1.00	70.92	A
	ATOM 1203 C THR A 154	-18.233	-29.432	25.756	1.00	51.13	A	ATOM 1288 CE LYS A 164	-32.382	-48.151	38.653	1.00	70.92	A
	ATOM 1204 O THR A 154	-17.443	-30.374	25.789	1.00	51.13	A	ATOM 1289 NZ LYS A 164	-32.558	-49.127	37.521	1.00	70.92	A
	ATOM 1205 N LEU A 155	-18.761	-28.881	26.844	1.00	34.35	A	ATOM 1290 C LYS A 164	-37.188	-46.951	40.906	1.00	66.17	A
	ATOM 1206 CA LEU A 155	-18.521	-29.438	28.173	1.00	34.35	A	ATOM 1291 O LYS A 164	-38.226	-46.312	41.066	1.00	66.17	A
	ATOM 1207 CB LEU A 155	-17.575	-28.558	28.990	1.00	40.53	A	ATOM 1292 N ASP A 165	-37.146	-48.277	40.967	1.00	79.88	A
	ATOM 1208 CG LEU A 155	-17.198	-29.170	30.358	1.00	37.11	A	ATOM 1293 CA ASP A 165	-38.352	-49.037	41.260	1.00	179.88	A
	ATOM 1209 CD1 LEU A 155	-16.612	-30.562	30.189	1.00	37.11	A	ATOM 1294 CB ASP A 165	-38.063	-50.540	41.222	1.00	145.62	A
	ATOM 1210 CD2 LEU A 155	-16.180	-28.287	31.054	1.00	37.11	A	ATOM 1295 CG ASP A 165	-36.834	-50.925	42.033	1.00	145.62	A
30	ATOM 1211 C LEU A 155	-19.889	-29.562	28.876	1.00	34.35	A	ATOM 1296 OD1 ASP A 165	-36.852	-50.765	43.275	1.00	145.62	A
	ATOM 1212 O LEU A 155	-20.557	-28.559	29.127	1.00	34.35	A	ATOM 1297 OD2 ASP A 165	-35.844	-51.388	41.422	1.00	145.62	A
	ATOM 1213 N LYS A 156	-20.316	-30.787	29.172	1.00	41.95	A	ATOM 1298 C ASP A 165	-38.825	-48.616	42.643	1.00	179.88	A
	ATOM 1214 CA LYS A 156	-21.614	-30.986	29.812	1.00	41.95	A	ATOM 1299 O ASP A 165	-38.874	-47.426	42.953	1.00	179.88	A
	ATOM 1215 CB LYS A 156	-22.576	-31.674	28.832	1.00	38.22	A	ATOM 1300 N ASP A 166	-39.168	-49.573	43.488	1.00	100.17	A
	ATOM 1216 CG LYS A 156	-23.979	-31.822	29.379	1.00	40.41	A	ATOM 1301 CA ASP A 166	-39.617	-49.189	44.809	1.00	100.17	A
	ATOM 1217 CD LYS A 156	-24.940	-32.481	28.397	1.00	40.41	A	ATOM 1302 CB ASP A 166	-40.729	-50.125	45.274	1.00	181.27	A
	ATOM 1218 CE LYS A 156	-24.666	-33.963	28.205	1.00	40.41	A	ATOM 1303 CG ASP A 166	-41.979	-49.980	44.433	1.00	181.27	A
	ATOM 1219 NZ LYS A 156	-25.714	-34.628	27.362	1.00	40.41	A	ATOM 1304 OD1 ASP A 166	-41.898	-50.221	43.209	1.00	181.27	A
	ATOM 1220 C LYS A 156	-21.555	-31.791	31.110	1.00	41.95	A	ATOM 1305 OD2 ASP A 166	-43.035	-49.613	44.990	1.00	181.27	A
	ATOM 1221 O LYS A 156	-20.905	-32.829	31.164	1.00	41.95	A	ATOM 1306 C ASP A 166	-38.477	-49.148	45.802	1.00	100.17	A
35	ATOM 1222 N TYR A 157	-22.												

65251/C766

1	ATOM 1314 CB LEU A 168	-32.721 -46.539 47.621 1.00147.36	A	ATOM 1399 CE2 TYR A 177	-12.788 -31.975 24.093 1.00 51.43	A
	ATOM 1315 CG LEU A 168	-32.829 -47.874 48.370 1.00147.36	A	ATOM 1400 CZ TYR A 177	-12.895 -30.616 24.336 1.00 51.43	A
	ATOM 1316 CD1 LEU A 168	-31.484 -48.570 48.362 1.00147.36	A	ATOM 1401 OH TYR A 177	-12.293 -29.725 23.483 1.00 51.43	A
	ATOM 1317 CD2 LEU A 168	-33.319 -47.644 49.799 1.00147.36	A	ATOM 1402 C TYR A 177	-16.709 -33.715 25.302 1.00 29.71	A
	ATOM 1318 C LEU A 168	-34.031 -44.936 46.210 1.00121.30	A	ATOM 1403 O TYR A 177	-16.291 -34.779 24.846 1.00 29.71	A
	ATOM 1319 O LEU A 168	-34.729 -45.170 45.223 1.00121.30	A	ATOM 1404 N ASN A 178	-17.475 -32.888 24.590 1.00 41.37	A
	ATOM 1320 N TYR A 169	-33.209 -43.898 46.295 1.00 61.11	A	ATOM 1405 CA ASN A 178	-17.925 -33.257 23.243 1.00 41.37	A
	ATOM 1321 CA TYR A 169	-33.044 -42.951 45.217 1.00 61.11	A	ATOM 1406 CB ASN A 178	-16.757 -33.580 22.309 1.00 60.53	A
	ATOM 1322 CB TYR A 169	-33.167 -41.524 45.736 1.00 66.98	A	ATOM 1407 CG ASN A 178	-16.034 -32.343 21.836 1.00 53.00	A
5	ATOM 1323 CG TYR A 169	-34.545 -41.127 46.175 1.00 66.98	A	ATOM 1408 OD1 ASN A 178	-16.505 -31.225 22.029 1.00 53.00	A
	ATOM 1324 CD1 TYR A 169	-35.069 -41.557 47.390 1.00 66.98	A	ATOM 1409 ND2 ASN A 178	-14.886 -32.535 21.196 1.00 53.00	A
	ATOM 1325 CE1 TYR A 169	-36.348 -41.184 47.784 1.00 66.98	A	ATOM 1410 C ASN A 178	-18.740 -34.513 23.505 1.00 41.37	A
	ATOM 1326 CD2 TYR A 169	-35.331 -40.314 45.367 1.00 66.98	A	ATOM 1411 O ASN A 178	-19.531 -34.538 24.443 1.00 41.37	A
	ATOM 1327 CE2 TYR A 169	-36.607 -39.936 45.748 1.00 66.98	A	ATOM 1412 N ASP A 179	-18.549 -35.554 22.704 1.00 52.17	A
	ATOM 1328 CZ TYR A 169	-37.111 -40.374 46.954 1.00 66.98	A	ATOM 1413 CA ASP A 179	-19.282 -36.793 22.939 1.00 52.17	A
	ATOM 1329 OH TYR A 169	-38.382 -40.016 47.321 1.00 66.98	A	ATOM 1414 CB ASP A 179	-19.751 -37.426 21.616 1.00 46.20	A
	ATOM 1330 C TYR A 169	-31.648 -43.151 44.677 1.00 61.11	A	ATOM 1415 CG ASP A 179	-18.616 -37.659 20.623 1.00 50.15	A
	ATOM 1331 O TYR A 169	-30.665 -43.038 45.414 1.00 61.11	A	ATOM 1416 OD1 ASP A 179	-17.433 -37.384 20.957 1.00 50.15	A
	ATOM 1332 N ASP A 170	-31.551 -43.456 43.392 1.00 38.80	A	ATOM 1417 OD2 ASP A 179	-18.914 -38.127 19.494 1.00 50.15	A
	ATOM 1333 CA ASP A 170	-30.241 -43.637 42.778 1.00 38.80	A	ATOM 1418 C ASP A 179	-18.436 -37.791 23.729 1.00 52.17	A
10	ATOM 1334 CB ASP A 170	-30.296 -44.607 41.609 1.00 92.31	A	ATOM 1419 O ASP A 179	-18.780 -38.965 23.802 1.00 52.17	A
	ATOM 1335 CG ASP A 170	-29.999 -46.026 42.027 1.00 92.31	A	ATOM 1420 N GLN A 180	-17.346 -37.317 24.334 1.00 47.83	A
	ATOM 1336 OD1 ASP A 170	-29.126 -46.212 42.907 1.00 92.31	A	ATOM 1421 CA GLN A 180	-16.439 -38.178 25.099 1.00 47.83	A
	ATOM 1337 OD2 ASP A 170	-30.626 -46.952 41.469 1.00 92.31	A	ATOM 1422 CB GLN A 180	-14.994 -37.723 24.910 1.00 49.30	A
	ATOM 1338 C ASP A 170	-29.673 -42.324 42.295 1.00 38.80	A	ATOM 1423 CG GLN A 180	-14.553 -37.609 23.491 1.00 40.93	A
	ATOM 1339 O ASP A 170	-30.410 -41.401 41.990 1.00 38.80	A	ATOM 1424 CD GLN A 180	-14.656 -38.915 22.753 1.00 40.93	A
	ATOM 1340 N GLY A 171	-28.353 -42.239 42.229 1.00 41.91	A	ATOM 1425 OE1 GLN A 180	-15.597 -39.135 21.981 1.00 40.93	A
	ATOM 1341 CA GLY A 171	-27.731 -41.013 41.781 1.00 41.91	A	ATOM 1426 NE2 GLN A 180	-13.686 -39.802 22.984 1.00 40.93	A
	ATOM 1342 C GLY A 171	-26.556 -41.274 40.857 1.00 41.91	A	ATOM 1427 C GLN A 180	-16.702 -38.237 26.611 1.00 47.83	A
	ATOM 1343 O GLY A 171	-25.732 -42.149 41.090 1.00 41.91	A	ATOM 1428 O GLN A 180	-16.590 -37.231 27.314 1.00 47.83	A
	ATOM 1344 N VAL A 172	-26.490 -40.516 39.779 1.00 41.38	A	ATOM 1429 N LEU A 181	-17.023 -39.418 27.127 1.00 45.38	A
	ATOM 1345 CA VAL A 172	-25.393 -40.633 38.835 1.00 41.38	A	ATOM 1430 CA LEU A 181	-17.257 -39.533 28.551 1.00 45.38	A
15	ATOM 1346 CB VAL A 172	-25.754 -41.408 37.558 1.00 60.65	A	ATOM 1431 CB LEU A 181	-17.780 -40.925 28.891 1.00 47.35	A
	ATOM 1347 CG1 VAL A 172	-25.589 -42.883 37.789 1.00 52.66	A	ATOM 1432 CG LEU A 181	-17.920 -41.175 30.391 1.00 34.78	A
	ATOM 1348 CG2 VAL A 172	-27.171 -41.074 37.131 1.00 52.66	A	ATOM 1433 CD1 LEU A 181	-18.922 -40.177 30.981 1.00 34.78	A
	ATOM 1349 C VAL A 172	-24.986 -39.262 38.381 1.00 41.38	A	ATOM 1434 CD2 LEU A 181	-18.348 -42.622 30.638 1.00 34.78	A
	ATOM 1350 O VAL A 172	-25.759 -38.296 38.436 1.00 41.38	A	ATOM 1435 C LEU A 181	-15.931 -39.268 29.272 1.00 45.38	A
	ATOM 1351 N PHE A 173	-23.752 -39.197 37.916 1.00 29.87	A	ATOM 1436 O LEU A 181	-14.900 -39.824 28.923 1.00 45.38	A
	ATOM 1352 CA PHE A 173	-23.192 -37.973 37.403 1.00 29.87	A	ATOM 1437 N VAL A 182	-15.955 -38.407 30.273 1.00 42.81	A
	ATOM 1353 CB PHE A 173	-22.312 -37.306 38.439 1.00 55.02	A	ATOM 1438 CA VAL A 182	-14.746 -38.101 31.015 1.00 42.81	A
	ATOM 1354 CG PHE A 173	-21.479 -36.218 37.866 1.00 36.84	A	ATOM 1439 CB VAL A 182	-14.536 -36.591 31.113 1.00 55.81	A
	ATOM 1355 CD1 PHE A 173	-22.043 -34.980 37.574 1.00 36.84	A	ATOM 1440 CG1 VAL A 182	-13.294 -36.288 31.928 1.00 34.29	A
	ATOM 1356 CD2 PHE A 173	-20.143 -36.450 37.535 1.00 36.84	A	ATOM 1441 CG2 VAL A 182	-14.416 -36.003 29.737 1.00 34.29	A
20	ATOM 1357 CE1 PHE A 173	-21.292 -33.991 36.956 1.00 36.84	A	ATOM 1442 C VAL A 182	-14.803 -38.664 32.434 1.00 42.81	A
	ATOM 1358 CE2 PHE A 173	-19.381 -35.472 36.919 1.00 36.84	A	ATOM 1443 O VAL A 182	-13.800 -39.152 32.955 1.00 42.81	A
	ATOM 1359 CZ PHE A 173	-19.956 -34.238 36.626 1.00 36.84	A	ATOM 1444 N THR A 183	-15.978 -38.591 33.056 1.00 48.68	A
	ATOM 1360 C PHE A 173	-22.344 -38.307 36.188 1.00 29.87	A	ATOM 1445 CA THR A 183	-16.154 -39.080 34.412 1.00 48.68	A
	ATOM 1361 O PHE A 173	-21.588 -39.276 36.192 1.00 29.87	A	ATOM 1446 CB THR A 183	-15.894 -37.976 35.423 1.00 50.65	A
	ATOM 1362 N TYR A 174	-22.473 -37.504 35.141 1.00 53.99	A	ATOM 1447 OG1 THR A 183	-14.518 -37.615 35.383 1.00 37.24	A
	ATOM 1363 CA TYR A 174	-21.688 -37.717 33.936 1.00 53.99	A	ATOM 1448 CG2 THR A 183	-16.239 -38.424 36.811 1.00 37.24	A
	ATOM 1364 CB TYR A 174	-22.558 -38.194 32.765 1.00 60.63	A	ATOM 1449 C THR A 183	-17.554 -39.571 34.677 1.00 48.68	A
	ATOM 1365 CG TYR A 174	-23.152 -39.571 32.932 1.00 46.67	A	ATOM 1450 O THR A 183	-18.523 -38.958 34.231 1.00 48.68	A
	ATOM 1366 CD1 TYR A 174	-24.503 -39.734 33.244 1.00 46.67	A	ATOM 1451 N LYS A 184	-17.657 -40.683 35.399 1.00 41.66	A
	ATOM 1367 CE1 TYR A 174	-25.057 -41.001 33.403 1.00 46.67	A	ATOM 1452 CA LYS A 184	-18.953 -41.201 35.792 1.00 41.66	A
25	ATOM 1368 CD2 TYR A 174	-22.365 -40.717 32.786 1.00 46.67	A	ATOM 1453 CB LYS A 184	-19.290 -42.526 35.129 1.00 54.57	A
	ATOM 1369 CE2 TYR A 174	-22.909 -41.991 32.946 1.00 46.67	A	ATOM 1454 CG LYS A 184	-20.627 -43.062 35.613 1.00 46.41	A
	ATOM 1370 CZ TYR A 174	-24.257 -42.125 33.251 1.00 46.67	A	ATOM 1455 CD LYS A 184	-20.956 -44.422 35.042 1.00 46.41	A
	ATOM 1371 OH TYR A 174	-24.821 -43.379 33.377 1.00 46.67	A	ATOM 1456 CE LYS A 184	-22.265 -44.931 35.601 1.00 46.41	A
	ATOM 1372 C TYR A 174	-21.011 -36.425 33.537 1.00 53.99	A	ATOM 1457 NZ LYS A 184	-22.547 -46.322 35.153 1.00 46.41	A
	ATOM 1373 O TYR A 174	-21.612 -35.359 33.582 1.00 53.99	A	ATOM 1458 C LYS A 184	-18.873 -41.418 37.280 1.00 41.66	A
	ATOM 1374 N ASP A 175	-19.745 -36.538 33.157 1.00 51.86	A	ATOM 1459 O LYS A 184	-17.884 -41.958 37.784 1.00 41.66	A
	ATOM 1375 CA ASP A 175	-18.944 -35.414 32.688 1.00 51.86	A	ATOM 1460 N ILE A 185	-19.906 -40.974 37.983 1.00 47.72	A
	ATOM 1376 CB ASP A 175	-17.659 -35.317 33.499 1.00 74.21	A	ATOM 1461 CA ILE A 185	-19.974 -41.131 39.423 1.00 47.72	A
	ATOM 1377 CG ASP A 175	-16.833 -34.101 33.136 1.00 62.42	A	ATOM 1462 CB ILE A 185	-19.677 -39.802 40.141 1.00 58.21	A
	ATOM 1378 OD1 ASP A 175	-16.876 -33.675 31.968 1.00 62.42	A	ATOM 1463 CG2 ILE A 185	-20.036 -39.919 41.637 1.00 27.13	A
30	ATOM 1379 OD2 ASP A 175	-16.120 -33.574 34.012 1.00 62.42	A	ATOM 1464 CG1 ILE A 185	-18.203 -39.429 39.950 1.00 27.13	A
	ATOM 1380 C ASP A 175	-18.607 -35.739 31.224 1.00 51.86	A	ATOM 1465 CD1 ILE A 185	-17.864 -38.032 40.457 1.00 27.13	A
	ATOM 1381 O ASP A 175	-17.884 -36.696 30.941 1.00 51.86	A	ATOM 1466 C ILE A 185	-21.370 -41.602 39.792 1.00 47.72	A
	ATOM 1382 N HIS A 176	-19.138 -34.958 30.292 1.00 46.63	A	ATOM 1467 O ILE A 185	-22.359 -41.152 39.212 1.00 47.72	A
	ATOM 1383 CA HIS A 176	-18.880 -35.199 28.873 1.00 46.63	A	ATOM 1468 N SER A 186	-21.455 -42.530 40.737 1.00 47.36	A
	ATOM 1384 CB HIS A 176	-20.183 -35.482 28.134 1.00 71.51	A	ATOM 1469 CA SER A 186	-22.753 -43.027 41.175 1.00 47.36	A
	ATOM 1385 CG HIS A 176	-20.746 -36.839 28.388 1.00 40.64	A	ATOM 1470 CB SER A 186	-23.070 -44.358 40.505 1.00 75.66	A
	ATOM 1386 CD2 HIS A 176	-21.840 -37.234 29.080 1.00 40.64	A	ATOM 1471 OG SER A 186	-21.949 -45.203 40.547 1.00 64.77	A
	ATOM 1387 ND1 HIS A 176	-20.196 -37.982 27.854 1.00 40.64	A	ATOM 1472 C SER A 186	-22.787 -43.151 42.689 1.00 47.36	A
	ATOM 1388 CE1 HIS A 176	-20.928 -39.023 28.201 1.00 40.64	A	ATOM 1473 O SER A 186	-21.753 -43.337 43.334 1.00 47.36	A
	ATOM 1389 NE2 HIS A 176	-21.932 -38.596 28.944 1.00 40.64	A	ATOM 1474 N TYR A 187	-23.984 -43.011 43.247 1.00 48.69	A
35	ATOM 1390 C HIS A 176	-18.198 -34.034 28.171 1.00 46.63	A	ATOM 1475 CA TYR A 187	-24.179 -43.067 44.680 1.00 48.69	A
	ATOM 1391 O HIS A 176	-18.676 -32.893 28.221 1.00 46.63	A	ATOM 1476 CB TYR A 187	-25.521 -42.448 45.036 1.00 93.67	A
	ATOM 1392 N TYR A 177	-17.070 -34.316 27.528 1.00 29.71	A	ATOM 1477 CG TYR A 187	-25.736 -42.337 46.511 1.00 47.88	A
	ATOM 1393 CA TYR A 177	-16.357 -33.308 26.736 1.00 29.71	A	ATOM 1478 CD1 TYR A 187	-25.018 -41.420 47.267 1.00 47.88	A
	ATOM 1394 CB TYR A 177	-14.858 -33.406 26.936 1.00 58.42	A	ATOM 1479 CE1 TYR A 187	-25.219 -41.311 48.640 1.00 47.88	A
	ATOM 1395 CG TYR A 177	-14.133 -32.440 26.058 1.00 51.43	A	ATOM 1480 CD2 TYR A 187	-26.664 -43.152 47.164 1.00 47.88	A
	ATOM 1396 CD1 TYR A 177	-14.222 -31.066 26.282 1.00 51.43	A	ATOM 1481 CE2 TYR A 187	-26.876 -43.049 48.543 1.00 47.88	A
	ATOM 1397 CE1 TYR A 177	-13.607 -30.153 25.425 1.00 51.43	A	ATOM 1482 CZ TYR A 187	-26.152 -42.127 49.271 1.00 47.88	A
	ATOM 1398 CD2 TYR A 177	-13.408 -32.882 24.957 1.00 51.43	A	ATOM 1483 OH TYR A 187	-26.359 -42.014 50.628 1.00 47.88	A

65251/C766

1	ATOM 1484 C TYR A 187	-24.129 -44.493 45.187 1.00 48.69	A	ATOM 1569 CA PHE A 198	-15.112 -44.183 35.204 1.00 44.42	A
	ATOM 1485 O TYR A 187	-24.918 -45.324 44.759 1.00 48.69	A	ATOM 1570 CB PHE A 198	-16.050 -44.255 34.006 1.00 52.73	A
	ATOM 1486 N ASN A 188	-23.190 -44.768 46.092 1.00 46.73	A	ATOM 1571 CG PHE A 198	-15.351 -44.153 32.693 1.00 52.73	A
	ATOM 1487 CA ASN A 188	-23.019 -46.085 46.692 1.00 46.73	A	ATOM 1572 CD1 PHE A 198	-14.923 -45.294 32.034 1.00 52.73	A
	ATOM 1488 CB ASN A 188	-21.579 -46.233 47.140 1.00182.97	A	ATOM 1573 CD2 PHE A 198	-15.087 -42.908 32.121 1.00 52.73	A
	ATOM 1489 CG ASN A 188	-21.313 -47.566 47.734 1.00 44.00	A	ATOM 1574 CE1 PHE A 198	-14.241 -45.200 30.823 1.00 52.73	A
	ATOM 1490 OD1 ASN A 188	-22.009 -47.996 48.642 1.00 44.00	A	ATOM 1575 CE2 PHE A 198	-14.403 -42.801 30.912 1.00 52.73	A
	ATOM 1491 ND2 ASN A 188	-20.296 -48.239 47.232 1.00 44.00	A	ATOM 1576 CZ PHE A 198	-13.981 -43.952 30.263 1.00 52.73	A
	ATOM 1492 C ASN A 188	-23.949 -46.212 47.908 1.00 46.73	A	ATOM 1577 C PHE A 198	-14.359 -42.876 35.155 1.00 44.42	A
	ATOM 1493 O ASN A 188	-23.744 -45.536 48.923 1.00 46.73	A	ATOM 1578 O PHE A 198	-14.824 -41.835 35.637 1.00 44.42	A
5	ATOM 1494 N HIS A 189	-24.959 -47.073 47.821 1.00 62.84	A	ATOM 1579 N ARG A 199	-13.183 -42.936 34.557 1.00 51.01	A
	ATOM 1495 CA HIS A 189	-25.911 -47.240 48.920 1.00 62.84	A	ATOM 1580 CA ARG A 199	-12.357 -41.754 34.370 1.00 51.01	A
	ATOM 1496 CB HIS A 189	-27.110 -48.020 48.435 1.00109.85	A	ATOM 1581 CB ARG A 199	-11.392 -41.567 35.524 1.00 63.13	A
	ATOM 1497 CG HIS A 189	-27.984 -47.233 47.520 1.00 70.39	A	ATOM 1582 CG ARG A 199	-10.504 -40.367 35.300 1.00 63.13	A
	ATOM 1498 CD2 HIS A 189	-28.067 -47.210 46.170 1.00 70.39	A	ATOM 1583 CD ARG A 199	-11.265 -39.077 35.538 1.00 63.13	A
	ATOM 1499 ND1 HIS A 189	-28.860 -46.271 47.979 1.00 70.39	A	ATOM 1584 NE ARG A 199	-11.034 -38.589 36.897 1.00 63.13	A
	ATOM 1500 CE1 HIS A 189	-29.445 -45.688 46.948 1.00 70.39	A	ATOM 1585 CZ ARG A 199	-11.955 -38.011 37.665 1.00 63.13	A
	ATOM 1501 NE2 HIS A 189	-28.980 -46.240 45.839 1.00 70.39	A	ATOM 1586 NH1 ARG A 199	-13.192 -37.845 37.217 1.00 63.13	A
	ATOM 1502 C HIS A 189	-25.369 -47.866 50.190 1.00 62.84	A	ATOM 1587 NH2 ARG A 199	-11.635 -37.596 38.889 1.00 63.13	A
	ATOM 1503 O HIS A 189	-25.869 -47.608 51.290 1.00 62.84	A	ATOM 1588 C ARG A 199	-11.559 -41.913 33.086 1.00 51.01	A
10	ATOM 1504 N GLU A 190	-24.347 -48.694 50.037 1.00 41.73	A	ATOM 1589 O ARG A 199	-10.749 -42.824 32.977 1.00 51.01	A
	ATOM 1505 CA GLU A 190	-23.714 -49.325 51.173 1.00 41.73	A	ATOM 1590 N ALA A 200	-11.791 -41.042 32.111 1.00 55.84	A
	ATOM 1506 CB GLU A 190	-22.754 -50.397 50.674 1.00103.04	A	ATOM 1591 CA ALA A 200	-11.057 -41.122 30.853 1.00 55.84	A
	ATOM 1507 CG GLU A 190	-22.451 -51.497 51.664 1.00 77.46	A	ATOM 1592 CB ALA A 200	-11.449 -39.984 29.943 1.00 51.79	A
	ATOM 1508 CD GLU A 190	-21.579 -52.585 51.062 1.00 77.46	A	ATOM 1593 C ALA A 200	-9.551 -41.088 31.117 1.00 55.84	A
	ATOM 1509 OE1 GLU A 190	-20.409 -52.295 50.726 1.00 77.46	A	ATOM 1594 O ALA A 200	-9.068 -40.301 31.931 1.00 55.84	A
	ATOM 1510 OE2 GLU A 190	-22.063 -53.729 50.912 1.00 77.46	A	ATOM 1595 N ASP A 201	-8.823 -41.963 30.425 1.00 61.05	A
	ATOM 1511 C GLU A 190	-22.952 -48.231 51.929 1.00 41.73	A	ATOM 1596 CA ASP A 201	-7.373 -42.077 30.563 1.00 61.05	A
	ATOM 1512 O GLU A 190	-23.220 -48.001 53.096 1.00 41.73	A	ATOM 1597 CB ASP A 201	-6.870 -43.213 29.669 1.00128.23	A
	ATOM 1513 N THR A 191	-22.039 -47.548 51.235 1.00 42.61	A	ATOM 1598 CG ASP A 201	-7.410 -43.117 28.249 1.00128.23	A
15	ATOM 1514 CA THR A 191	-21.205 -46.503 51.805 1.00 42.61	A	ATOM 1599 OD1 ASP A 201	-8.638 -43.285 28.064 1.00128.23	A
	ATOM 1515 CB THR A 191	-20.031 -46.224 50.876 1.00 75.01	A	ATOM 1600 OD2 ASP A 201	-6.611 -42.863 27.319 1.00128.23	A
	ATOM 1516 OG1 THR A 191	-19.229 -47.398 50.781 1.00 75.01	A	ATOM 1601 C ASP A 201	-6.617 -40.787 30.226 1.00 61.05	A
	ATOM 1517 CG2 THR A 191	-19.190 -45.099 51.394 1.00 75.01	A	ATOM 1602 O ASP A 201	-5.559 -40.523 30.788 1.00 61.05	A
	ATOM 1518 C THR A 191	-21.910 -45.184 52.104 1.00 42.61	A	ATOM 1603 N TRP A 202	-7.160 -39.980 29.316 1.00 52.08	A
	ATOM 1519 O THR A 191	-21.530 -44.475 53.041 1.00 42.61	A	ATOM 1604 CA TRP A 202	-6.497 -38.749 28.906 1.00 52.08	A
	ATOM 1520 N ARG A 192	-22.921 -44.849 51.304 1.00 47.54	A	ATOM 1605 CB TRP A 202	-6.887 -38.382 27.477 1.00 44.50	A
	ATOM 1521 CA ARG A 192	-23.679 -43.609 51.473 1.00 47.54	A	ATOM 1606 CG TRP A 202	-8.361 -38.288 27.216 1.00 44.50	A
	ATOM 1522 CB ARG A 192	-24.033 -43.409 52.945 1.00 68.07	A	ATOM 1607 CD2 TRP A 202	-9.190 -37.132 27.373 1.00 44.50	A
	ATOM 1523 CG ARG A 192	-24.983 -44.451 53.456 1.00 68.07	A	ATOM 1608 CE2 TRP A 202	-10.501 -37.497 26.971 1.00 44.50	A
20	ATOM 1524 CD ARG A 192	-26.266 -44.442 52.635 1.00 68.07	A	ATOM 1609 CE3 TRP A 202	-8.957 -35.822 27.811 1.00 44.50	A
	ATOM 1525 NE ARG A 192	-27.158 -45.544 52.992 1.00 68.07	A	ATOM 1610 CD1 TRP A 202	-9.178 -39.281 26.742 1.00 44.50	A
	ATOM 1526 CZ ARG A 192	-27.756 -45.695 54.176 1.00 68.07	A	ATOM 1611 NE1 TRP A 202	-10.465 -38.812 26.586 1.00 44.50	A
	ATOM 1527 NH1 ARG A 192	-27.574 -44.811 55.147 1.00 68.07	A	ATOM 1612 CZ2 TRP A 202	-11.568 -36.598 26.998 1.00 44.50	A
	ATOM 1528 NH2 ARG A 192	-28.536 -46.743 54.403 1.00 68.07	A	ATOM 1613 CZ3 TRP A 202	-10.019 -34.929 27.836 1.00 44.50	A
	ATOM 1529 C ARG A 192	-22.986 -42.357 50.932 1.00 47.54	A	ATOM 1614 CH2 TRP A 202	-11.306 -35.322 27.433 1.00 44.50	A
	ATOM 1530 O ARG A 192	-23.181 -41.257 51.443 1.00 47.54	A	ATOM 1615 C TRP A 202	-6.727 -37.530 29.784 1.00 52.08	A
	ATOM 1531 N HIS A 193	-22.178 -42.530 49.895 1.00 39.61	A	ATOM 1616 O TRP A 202	-6.070 -36.499 29.608 1.00 52.08	A
	ATOM 1532 CA HIS A 193	-21.484 -41.415 49.260 1.00 39.61	A	ATOM 1617 N PHE A 203	-7.641 -37.643 30.736 1.00 51.47	A
	ATOM 1533 CB HIS A 193	-20.209 -41.039 50.047 1.00 66.26	A	ATOM 1618 CA PHE A 203	-7.959 -36.518 31.595 1.00 51.47	A
25	ATOM 1534 CG HIS A 193	-19.079 -42.012 49.919 1.00 66.26	A	ATOM 1619 CB PHE A 203	-9.477 -36.444 31.773 1.00 48.60	A
	ATOM 1535 CD2 HIS A 193	-18.823 -42.978 49.009 1.00 66.26	A	ATOM 1620 CG PHE A 203	-9.948 -35.207 32.483 1.00 48.60	A
	ATOM 1536 ND1 HIS A 193	-18.005 -42.005 50.776 1.00 66.26	A	ATOM 1621 CD1 PHE A 203	-9.867 -33.959 31.867 1.00 48.60	A
	ATOM 1537 CE1 HIS A 193	-17.133 -42.923 50.402 1.00 66.26	A	ATOM 1622 CD2 PHE A 203	-10.486 -35.287 33.767 1.00 48.60	A
	ATOM 1538 NE2 HIS A 193	-17.607 -43.529 49.330 1.00 66.26	A	ATOM 1623 CE1 PHE A 203	-10.317 -32.808 32.519 1.00 48.60	A
	ATOM 1539 C HIS A 193	-21.180 -41.845 47.815 1.00 39.61	A	ATOM 1624 CE2 PHE A 203	-10.939 -34.139 34.428 1.00 48.60	A
	ATOM 1540 O HIS A 193	-21.369 -43.012 47.464 1.00 39.61	A	ATOM 1625 CZ PHE A 203	-10.854 -32.899 33.802 1.00 48.60	A
	ATOM 1541 N GLY A 194	-20.727 -40.925 46.968 1.00 46.08	A	ATOM 1626 C PHE A 203	-7.282 -36.557 32.963 1.00 51.47	A
	ATOM 1542 CA GLY A 194	-20.452 -41.294 45.590 1.00 46.08	A	ATOM 1627 O PHE A 203	-7.654 -37.348 33.822 1.00 51.47	A
	ATOM 1543 C GLY A 194	-19.124 -41.989 45.355 1.00 46.08	A	ATOM 1628 N ASN A 204	-6.277 -35.713 33.164 1.00 54.93	A
30	ATOM 1544 O GLY A 194	-18.233 -41.933 46.195 1.00 46.08	A	ATOM 1629 CA ASN A 204	-5.596 -35.636 34.459 1.00 54.93	A
	ATOM 1545 N ASN A 195	-18.998 -42.657 44.209 1.00 47.09	A	ATOM 1630 CB ASN A 204	-4.103 -35.287 34.286 1.00 79.69	A
	ATOM 1546 CA ASN A 195	-17.765 -43.355 43.819 1.00 47.09	A	ATOM 1631 CG ASN A 204	-3.422 -34.930 35.609 1.00 79.69	A
	ATOM 1547 CB ASN A 195	-17.880 -44.863 43.985 1.00 57.56	A	ATOM 1632 OD1 ASN A 204	-3.765 -33.931 36.222 1.00 79.69	A
	ATOM 1548 CG ASN A 195	-17.948 -45.287 45.423 1.00 57.56	A	ATOM 1633 ND2 ASN A 204	-2.486 -35.756 36.070 1.00 79.69	A
	ATOM 1549 OD1 ASN A 195	-17.197 -44.791 46.274 1.00 57.56	A	ATOM 1634 C ASN A 204	-6.332 -34.513 35.196 1.00 54.93	A
	ATOM 1550 ND2 ASN A 195	-18.841 -46.227 45.714 1.00 57.56	A	ATOM 1635 O ASN A 204	-6.094 -33.328 34.950 1.00 54.93	A
	ATOM 1551 C ASN A 195	-17.511 -43.095 42.355 1.00 47.09	A	ATOM 1636 N ILE A 205	-7.239 -34.884 36.092 1.00 57.22	A
	ATOM 1552 O ASN A 195	-18.449 -43.083 41.547 1.00 47.09	A	ATOM 1637 CA ILE A 205	-8.030 -33.890 36.805 1.00 57.22	A
	ATOM 1553 N VAL A 196	-16.254 -42.893 41.992 1.00 40.04	A	ATOM 1638 CB ILE A 205	-9.017 -34.563 37.781 1.00 58.57	A
35	ATOM 1554 CA VAL A 196	-15.948 -42.660 40.589 1.00 40.04	A	ATOM 1639 CG2 ILE A 205	-8.309 -34.907 39.075 1.00 58.57	A
	ATOM 1555 CB VAL A 196	-14.586 -41.996 40.399 1.00 44.37	A	ATOM 1640 CG1 ILE A 205	-10.188 -33.619 38.065 1.00 58.57	A
	ATOM 1556 CG1 VAL A 196	-14.291 -41.861 38.923 1.00 44.37	A	ATOM 1641 CD1 ILE A 205	-11.417 -34.318 38.598 1.00 58.57	A
	ATOM 1557 CG2 VAL A 196	-14.582 -40.640 41.068 1.00 44.37	A	ATOM 1642 C ILE A 205	-7.214 -32.846 37.559 1.00 57.22	A
	ATOM 1558 C VAL A 196	-15.909 -44.017 39.938 1.00 40.04	A	ATOM 1643 O ILE A 205	-7.728 -31.789 37.920 1.00 57.22	A
	ATOM 1559 O VAL A 196	-15.105 -44.860 40.328 1.00 40.04	A	ATOM 1644 N SER A 206	-5.943 -33.139 37.800 1.00 55.64	A
	ATOM 1560 N ASN A 197	-16.783 -44.238 38.963 1.00 54.85	A	ATOM 1645 CA SER A 206	-5.077 -32.195 38.505 1.00 55.64	A
	ATOM 1561 CA ASN A 197	-16.833 -45.524 38.276 1.00 54.85	A	ATOM 1646 CB SER A 206	-3.809 -32.888 38.996 1.00 63.18	A
	ATOM 1562 CB ASN A 197	-18.261 -45.871 37.860 1.00 63.56	A	ATOM 1647 OG SER A 206	-4.114 -33.859 39.979 1.00 63.18	A
	ATOM 1563 CG ASN A 197	-19.252 -45.681 38.972 1.00 63.56	A	ATOM 1648 C SER A 206	-4.688 -31.051 37.592 1.00 55.64	A
	ATOM 1564 OD1 ASN A 197	-19.036 -46.131 40.094 1.00 63.56	A	ATOM 1649 O SER A 206	-4.282 -30.003 38.051 1.00 55.64	A
	ATOM 1565 ND2 ASN A 197	-20.362 -45.018 38.664 1.00 63.56	A	ATOM 1650 N ARG A 207	-4.800 -31.261 36.290 1.00 57.03	A
	ATOM 1566 C ASN A 197	-15.974 -45.487 37.027 1.00 54.85	A	ATOM 1651 CA ARG A 207	-4.455 -30.231 35.336 1.00 57.03	A
	ATOM 1567 O ASN A 197	-15.404 -46.489 36.615 1.00 54.85	A	ATOM 1652 CB ARG A 207	-3.821 -30.850 34.088 1.00 85.18	A
	ATOM 1568 N PHE A 198	-15.879 -44.318 36.421 1.00 44.42	A	ATOM 1653 CG ARG A 207	-2.387 -31.307 34.299 1.00 85.18	A

65251/C766

1	ATOM 1654 CD ARG A 207	-1.573 -31.200 33.017 1.00 85.18	A	ATOM 1739 CA PHE A 218	-21.431 -35.025 44.064 1.00 36.75	A
	ATOM 1655 NE ARG A 207	-1.870 -32.267 32.068 1.00 85.18	A	ATOM 1740 CB PHE A 218	-20.849 -36.360 43.620 1.00 38.71	A
	ATOM 1656 CZ ARG A 207	-1.701 -32.163 30.752 1.00 85.18	A	ATOM 1741 CG PHE A 218	-21.888 -37.385 43.344 1.00 35.23	A
	ATOM 1657 NH1 ARG A 207	-1.242 -31.033 30.232 1.00 85.18	A	ATOM 1742 CD1 PHE A 218	-22.546 -37.414 42.129 1.00 35.23	A
	ATOM 1658 NH2 ARG A 207	-1.982 -33.190 29.956 1.00 85.18	A	ATOM 1743 CD2 PHE A 218	-22.260 -38.289 44.321 1.00 35.23	A
5	ATOM 1659 C ARG A 207	-5.677 -29.409 34.949 1.00 57.03	A	ATOM 1744 CE1 PHE A 218	-23.567 -38.335 41.887 1.00 35.23	A
	ATOM 1660 O ARG A 207	-5.614 -28.601 34.019 1.00 57.03	A	ATOM 1745 CE2 PHE A 218	-23.284 -39.215 44.089 1.00 35.23	A
	ATOM 1661 N SER A 208	-6.788 -29.608 35.660 1.00 48.85	A	ATOM 1746 CZ PHE A 218	-23.935 -39.236 42.871 1.00 35.23	A
	ATOM 1662 CA SER A 208	-8.019 -28.871 35.373 1.00 48.85	A	ATOM 1747 C PHE A 218	-22.288 -35.272 45.302 1.00 36.75	A
	ATOM 1663 CB SER A 208	-9.086 -29.790 34.780 1.00 64.31	A	ATOM 1748 O PHE A 218	-23.515 -35.235 45.227 1.00 36.75	A
10	ATOM 1664 OG SER A 208	-10.221 -29.034 34.404 1.00 64.31	A	ATOM 1749 N ASN A 219	-21.650 -35.538 46.436 1.00 41.39	A
	ATOM 1665 C SER A 208	-8.554 -28.214 36.634 1.00 48.85	A	ATOM 1750 CA ASN A 219	-22.404 -35.790 47.651 1.00 41.39	A
	ATOM 1666 O SER A 208	-9.582 -28.600 37.177 1.00 48.85	A	ATOM 1751 CB ASN A 219	-21.468 -35.994 48.842 1.00 49.23	A
	ATOM 1667 N PRO A 209	-7.848 -27.192 37.108 1.00 42.21	A	ATOM 1752 CG ASN A 219	-20.484 -37.122 48.618 1.00 40.86	A
	ATOM 1668 CD PRO A 209	-6.703 -26.624 36.381 1.00 44.15	A	ATOM 1753 OD1 ASN A 219	-20.801 -38.104 47.964 1.00 40.86	A
15	ATOM 1669 CA PRO A 209	-8.143 -26.394 38.299 1.00 42.21	A	ATOM 1754 ND2 ASN A 219	-19.288 -36.990 49.169 1.00 40.86	A
	ATOM 1670 CB PRO A 209	-7.216 -25.191 38.146 1.00 44.15	A	ATOM 1755 C ASN A 219	-23.337 -34.623 47.910 1.00 41.39	A
	ATOM 1671 CG PRO A 209	-6.062 -25.762 37.433 1.00 44.15	A	ATOM 1756 O ASN A 219	-24.499 -34.831 48.248 1.00 41.39	A
	ATOM 1672 C PRO A 209	-9.589 -25.940 38.434 1.00 42.21	A	ATOM 1757 N PHE A 220	-22.843 -33.395 47.737 1.00 41.47	A
	ATOM 1673 O PRO A 209	-10.065 -25.710 39.538 1.00 42.21	A	ATOM 1758 CA PHE A 220	-23.675 -32.216 47.966 1.00 41.47	A
20	ATOM 1674 N HIS A 210	-10.285 -25.805 37.312 1.00 45.71	A	ATOM 1759 CB PHE A 220	-22.901 -30.938 47.692 1.00 46.50	A
	ATOM 1675 CA HIS A 210	-11.650 -25.320 37.340 1.00 45.71	A	ATOM 1760 CG PHE A 220	-23.775 -29.723 47.587 1.00 39.48	A
	ATOM 1676 CB HIS A 210	-11.824 -24.274 36.245 1.00 57.61	A	ATOM 1761 CD1 PHE A 220	-24.153 -29.024 48.724 1.00 39.48	A
	ATOM 1677 CG HIS A 210	-10.967 -23.065 36.454 1.00 57.61	A	ATOM 1762 CD2 PHE A 220	-24.251 -29.292 46.338 1.00 39.48	A
	ATOM 1678 CD2 HIS A 210	-9.846 -22.645 35.822 1.00 57.61	A	ATOM 1763 CE1 PHE A 220	-24.987 -27.914 48.640 1.00 39.48	A
25	ATOM 1679 ND1 HIS A 210	-11.193 -22.163 37.473 1.00 57.61	A	ATOM 1764 CE2 PHE A 220	-25.091 -28.182 46.240 1.00 39.48	A
	ATOM 1680 CE1 HIS A 210	-10.248 -21.240 37.458 1.00 57.61	A	ATOM 1765 CZ PHE A 220	-25.460 -27.488 47.402 1.00 39.48	A
	ATOM 1681 NE2 HIS A 210	-9.417 -21.510 36.467 1.00 57.61	A	ATOM 1766 C PHE A 220	-24.916 -32.238 47.082 1.00 41.47	A
	ATOM 1682 C HIS A 210	-12.727 -26.377 37.277 1.00 45.71	A	ATOM 1767 O PHE A 220	-26.042 -32.141 47.572 1.00 41.47	A
	ATOM 1683 O HIS A 210	-13.904 -26.055 37.149 1.00 45.71	A	ATOM 1768 N TRP A 221	-24.710 -32.368 45.776 1.00 39.21	A
30	ATOM 1684 N THR A 211	-12.325 -27.641 37.357 1.00 49.41	A	ATOM 1769 CA TRP A 221	-25.820 -32.383 44.838 1.00 39.21	A
	ATOM 1685 CA THR A 211	-13.294 -28.724 37.385 1.00 49.41	A	ATOM 1770 CB TRP A 221	-25.294 -32.322 43.404 1.00 40.13	A
	ATOM 1686 CB THR A 211	-12.693 -30.046 36.903 1.00 54.23	A	ATOM 1771 CG TRP A 221	-24.756 -30.973 43.040 1.00 33.28	A
	ATOM 1687 OG1 THR A 211	-12.303 -29.921 35.530 1.00 54.23	A	ATOM 1772 CD2 TRP A 221	-25.491 -29.740 43.013 1.00 33.28	A
	ATOM 1688 CG2 THR A 211	-13.714 -31.161 37.025 1.00 54.23	A	ATOM 1773 CE2 TRP A 221	-24.576 -28.716 42.666 1.00 33.28	A
35	ATOM 1689 C THR A 211	-13.575 -28.804 38.879 1.00 49.41	A	ATOM 1774 CE3 TRP A 221	-26.836 -29.399 43.251 1.00 33.28	A
	ATOM 1690 O THR A 211	-12.647 -28.886 39.670 1.00 49.41	A	ATOM 1775 CD1 TRP A 221	-23.465 -30.655 42.714 1.00 33.28	A
	ATOM 1691 N PRO A 212	-14.851 -28.745 39.286 1.00 43.27	A	ATOM 1776 NE1 TRP A 221	-23.349 -29.305 42.490 1.00 33.28	A
	ATOM 1692 CD PRO A 212	-16.031 -28.722 38.400 1.00 37.06	A	ATOM 1777 CZ2 TRP A 221	-24.966 -27.368 42.548 1.00 33.28	A
	ATOM 1693 CA PRO A 212	-15.254 -28.807 40.700 1.00 43.27	A	ATOM 1778 CZ3 TRP A 221	-27.221 -28.061 43.134 1.00 33.28	A

65251/C766

1	ATOM 1824 O LYS A 226	-35.040 -35.662 47.337 1.00 42.81	A	ATOM 1909 CA SER A 237	-49.659 -33.496 40.409 1.00116.35	A
	ATOM 1825 N GLU A 227	-33.447 -34.371 48.230 1.00 57.88	A	ATOM 1910 CB SER A 237	-50.584 -32.274 40.311 1.00 86.54	A
	ATOM 1826 CA GLU A 227	-34.384 -33.582 49.026 1.00 57.88	A	ATOM 1911 OG SER A 237	-49.928 -31.084 40.722 1.00 86.54	A
	ATOM 1827 CB GLU A 227	-33.644 -32.494 49.811 1.00151.02	A	ATOM 1912 C SER A 237	-48.314 -33.160 39.765 1.00116.35	A
	ATOM 1828 CG GLU A 227	-34.537 -31.709 50.757 1.00126.82	A	ATOM 1913 O SER A 237	-48.258 -32.711 38.620 1.00116.35	A
	ATOM 1829 CD GLU A 227	-33.888 -30.434 51.263 1.00126.82	A	ATOM 1914 N THR A 238	-47.233 -33.374 40.510 1.00113.89	A
	ATOM 1830 OE1 GLU A 227	-32.750 -30.500 51.777 1.00126.82	A	ATOM 1915 CA THR A 238	-45.888 -33.101 40.013 1.00113.89	A
	ATOM 1831 OE2 GLU A 227	-34.522 -29.363 51.153 1.00126.82	A	ATOM 1916 CB THR A 238	-45.174 -32.036 40.873 1.00115.30	A
	ATOM 1832 C GLU A 227	-35.407 -32.926 48.102 1.00 57.88	A	ATOM 1917 OG1 THR A 238	-46.068 -30.948 41.138 1.00115.30	A
5	ATOM 1833 O GLU A 227	-36.601 -32.982 48.350 1.00 57.88	A	ATOM 1918 CG2 THR A 238	-43.950 -31.504 40.142 1.00115.30	A
	ATOM 1834 N THR A 228	-34.926 -32.314 47.026 1.00 46.68	A	ATOM 1919 C THR A 238	-45.050 -34.377 40.051 1.00113.89	A
	ATOM 1835 CA THR A 228	-35.785 -31.632 46.077 1.00 46.68	A	ATOM 1920 O THR A 238	-44.090 -34.519 39.296 1.00113.89	A
	ATOM 1836 CB THR A 228	-34.969 -30.947 44.992 1.00 55.19	A	ATOM 1921 N LYS A 239	-45.426 -35.293 40.943 1.00120.67	A
	ATOM 1837 OG1 THR A 228	-34.065 -30.023 45.603 1.00 41.18	A	ATOM 1922 CA LYS A 239	-44.738 -36.571 41.121 1.00120.67	A
	ATOM 1838 CG2 THR A 228	-35.895 -30.209 44.017 1.00 41.18	A	ATOM 1923 CB LYS A 239	-45.754 -37.667 41.472 1.00127.62	A
	ATOM 1839 C THR A 228	-36.767 -32.567 45.404 1.00 46.68	A	ATOM 1924 CG LYS A 239	-45.138 -39.029 41.755 1.00127.62	A
	ATOM 1840 O THR A 228	-37.919 -32.214 45.182 1.00 46.68	A	ATOM 1925 CD LYS A 239	-46.157 -39.982 42.349 1.00127.62	A
	ATOM 1841 N LEU A 229	-36.313 -33.760 45.065 1.00 60.53	A	ATOM 1926 CE LYS A 239	-46.661 -39.478 43.693 1.00127.62	A
	ATOM 1842 CA LEU A 229	-37.193 -34.708 44.421 1.00 60.53	A	ATOM 1927 NZ LYS A 239	-47.665 -40.402 44.286 1.00127.62	A
	ATOM 1843 CB LEU A 229	-36.395 -35.918 43.959 1.00 70.94	A	ATOM 1928 C LYS A 239	-43.937 -36.970 39.885 1.00120.67	A
10	ATOM 1844 CG LEU A 229	-37.186 -36.998 43.215 1.00 42.82	A	ATOM 1929 O LYS A 239	-44.482 -37.079 38.789 1.00120.67	A
	ATOM 1845 CD1 LEU A 229	-38.147 -36.371 42.196 1.00 42.82	A	ATOM 1930 N THR A 240	-42.639 -37.185 40.069 1.00 63.35	A
	ATOM 1846 CD2 LEU A 229	-36.205 -37.946 42.526 1.00 42.82	A	ATOM 1931 CA THR A 240	-41.765 -37.546 38.964 1.00 63.35	A
	ATOM 1847 C LEU A 229	-38.319 -35.131 45.371 1.00 60.53	A	ATOM 1932 CB THR A 240	-40.882 -36.361 38.546 1.00 76.02	A
	ATOM 1848 O LEU A 229	-39.470 -35.251 44.956 1.00 60.53	A	ATOM 1933 OG1 THR A 240	-41.703 -35.227 38.252 1.00 76.02	A
	ATOM 1849 N GLU A 230	-37.991 -35.344 46.644 1.00 65.22	A	ATOM 1934 CG2 THR A 240	-40.069 -36.717 37.321 1.00 76.02	A
	ATOM 1850 CA GLU A 230	-38.990 -35.739 47.632 1.00 65.22	A	ATOM 1935 C THR A 240	-40.847 -38.689 39.324 1.00 63.35	A
	ATOM 1851 CB GLU A 230	-38.325 -35.991 48.990 1.00142.89	A	ATOM 1936 O THR A 240	-40.551 -38.916 40.499 1.00 63.35	A
	ATOM 1852 CG GLU A 230	-37.461 -37.246 49.018 1.00107.35	A	ATOM 1937 N THR A 241	-40.386 -39.389 38.294 1.00 63.92	A
	ATOM 1853 CD GLU A 230	-36.841 -37.512 50.381 1.00107.35	A	ATOM 1938 CA THR A 241	-39.483 -40.520 38.443 1.00 63.92	A
	ATOM 1854 OE1 GLU A 230	-37.594 -37.524 51.377 1.00107.35	A	ATOM 1939 CB THR A 241	-39.334 -41.269 37.136 1.00106.81	A
	ATOM 1855 OE2 GLU A 230	-35.608 -37.717 50.456 1.00107.35	A	ATOM 1940 OG1 THR A 241	-40.626 -41.523 36.591 1.00 66.51	A
15	ATOM 1856 C GLU A 230	-40.073 -34.669 47.764 1.00 65.22	A	ATOM 1941 CG2 THR A 241	-38.601 -42.575 37.356 1.00 66.51	A
	ATOM 1857 O GLU A 230	-41.259 -34.988 47.751 1.00 65.22	A	ATOM 1942 C THR A 241	-38.085 -40.071 38.834 1.00 63.92	A
	ATOM 1858 N GLU A 231	-39.665 -33.405 47.879 1.00 65.15	A	ATOM 1943 O THR A 241	-37.436 -40.686 39.692 1.00 63.92	A
	ATOM 1859 CA GLU A 231	-40.610 -32.299 48.013 1.00 65.15	A	ATOM 1944 N SER A 242	-37.622 -38.999 38.192 1.00 69.96	A
	ATOM 1860 CB GLU A 231	-39.865 -30.972 48.182 1.00142.65	A	ATOM 1945 CA SER A 242	-36.285 -38.478 38.447 1.00 69.96	A
	ATOM 1861 CG GLU A 231	-38.883 -30.947 49.342 1.00118.89	A	ATOM 1946 CB SER A 242	-35.291 -39.163 37.520 1.00 76.43	A
	ATOM 1862 CD GLU A 231	-39.561 -31.013 50.697 1.00118.89	A	ATOM 1947 OG SER A 242	-35.597 -38.849 36.174 1.00 48.95	A
	ATOM 1863 OE1 GLU A 231	-40.346 -31.957 50.929 1.00118.89	A	ATOM 1948 C SER A 242	-36.140 -36.970 38.280 1.00 69.96	A
	ATOM 1864 OE2 GLU A 231	-39.299 -30.119 51.533 1.00118.89	A	ATOM 1949 O SER A 242	-37.038 -36.290 37.786 1.00 69.96	A
	ATOM 1865 C GLU A 231	-41.494 -32.233 46.771 1.00 65.15	A	ATOM 1950 N LEU A 243	-34.971 -36.476 38.683 1.00 42.66	A
20	ATOM 1866 O GLU A 231	-42.710 -32.078 46.862 1.00 65.15	A	ATOM 1951 CA LEU A 243	-34.624 -35.064 38.627 1.00 42.66	A
	ATOM 1867 N ILE A 232	-40.871 -32.355 45.607 1.00 81.41	A	ATOM 1952 CB LEU A 243	-34.701 -34.464 40.027 1.00 67.62	A
	ATOM 1868 CA ILE A 232	-41.595 -32.308 44.345 1.00 81.41	A	ATOM 1953 CG LEU A 243	-34.657 -32.945 40.107 1.00 43.75	A
	ATOM 1869 CB ILE A 232	-40.637 -32.471 43.149 1.00 84.86	A	ATOM 1954 CD1 LEU A 243	-35.799 -32.368 39.287 1.00 43.75	A
	ATOM 1870 CG2 ILE A 232	-41.408 -32.790 41.903 1.00 54.91	A	ATOM 1955 CD2 LEU A 243	-34.788 -32.504 41.560 1.00 43.75	A
	ATOM 1871 CG1 ILE A 232	-39.843 -31.183 42.940 1.00 54.91	A	ATOM 1956 C LEU A 243	-33.203 -34.955 38.095 1.00 42.66	A
	ATOM 1872 CD1 ILE A 232	-38.849 -31.257 41.805 1.00 54.91	A	ATOM 1957 O LEU A 243	-32.338 -35.754 38.445 1.00 42.66	A
	ATOM 1873 C ILE A 232	-42.665 -33.384 44.262 1.00 81.41	A	ATOM 1958 N SER A 244	-32.964 -33.980 37.233 1.00 38.22	A
	ATOM 1874 O ILE A 232	-43.717 -33.168 43.666 1.00 81.41	A	ATOM 1959 CA SER A 244	-31.634 -33.790 36.655 1.00 38.22	A
	ATOM 1875 N ASN A 233	-42.406 -34.538 44.863 1.00 74.71	A	ATOM 1960 CB SER A 244	-31.603 -34.252 35.198 1.00 28.73	A
	ATOM 1876 CA ASN A 233	-43.373 -35.623 44.823 1.00 74.71	A	ATOM 1961 OG SER A 244	-31.770 -35.645 35.082 1.00 30.88	A
	ATOM 1877 CB ASN A 233	-42.674 -36.968 44.999 1.00 68.62	A	ATOM 1962 C SER A 244	-31.135 -32.346 36.692 1.00 38.22	A
25	ATOM 1878 CG ASN A 233	-41.834 -37.342 43.802 1.00 57.54	A	ATOM 1963 O SER A 244	-31.900 -31.394 36.477 1.00 38.22	A
	ATOM 1879 OD1 ASN A 233	-42.164 -36.994 42.675 1.00 57.54	A	ATOM 1964 N LEU A 245	-29.844 -32.189 36.967 1.00 37.10	A
	ATOM 1880 ND2 ASN A 233	-40.749 -38.070 44.037 1.00 57.54	A	ATOM 1965 CA LEU A 245	-29.223 -30.873 36.989 1.00 37.10	A
	ATOM 1881 C ASN A 233	-44.529 -35.527 45.816 1.00 74.71	A	ATOM 1966 CB LEU A 245	-28.427 -30.665 38.266 1.00 53.99	A
	ATOM 1882 O ASN A 233	-45.489 -36.291 45.704 1.00 74.71	A	ATOM 1967 CG LEU A 245	-27.669 -29.333 38.276 1.00 37.98	A
	ATOM 1883 N LYS A 234	-44.454 -34.612 46.781 1.00 80.66	A	ATOM 1968 CD1 LEU A 245	-28.661 -28.200 38.121 1.00 37.98	A
	ATOM 1884 CA LYS A 234	-45.541 -34.472 47.748 1.00 80.66	A	ATOM 1969 CD2 LEU A 245	-26.860 -29.170 39.569 1.00 37.98	A
	ATOM 1885 CB LYS A 234	-45.131 -33.538 48.885 1.00111.56	A	ATOM 1970 C LEU A 245	-28.288 -30.824 35.784 1.00 37.10	A
	ATOM 1886 CG LYS A 234	-44.152 -34.202 49.837 1.00111.56	A	ATOM 1971 O LEU A 245	-27.235 -31.445 35.778 1.00 37.10	A
	ATOM 1887 CD LYS A 234	-43.767 -33.313 51.001 1.00111.56	A	ATOM 1972 N ILE A 246	-28.688 -30.098 34.750 1.00 36.39	A
	ATOM 1888 CE LYS A 234	-42.820 -34.052 51.937 1.00111.56	A	ATOM 1973 CA ILE A 246	-27.893 -29.998 33.531 1.00 36.39	A
30	ATOM 1889 NZ LYS A 234	-42.295 -33.176 53.021 1.00111.56	A	ATOM 1974 CB ILE A 246	-28.793 -30.085 32.278 1.00 52.87	A
	ATOM 1890 C LYS A 234	-46.830 -33.998 47.071 1.00 80.66	A	ATOM 1975 CG2 ILE A 246	-27.947 -30.080 31.021 1.00 35.91	A
	ATOM 1891 O LYS A 234	-47.905 -34.540 47.337 1.00 80.66	A	ATOM 1976 CG1 ILE A 246	-29.631 -31.359 32.322 1.00 35.91	A
	ATOM 1892 N ASN A 235	-46.738 -32.987 46.207 1.00127.83	A	ATOM 1977 CD1 ILE A 246	-28.821 -32.601 32.478 1.00 35.91	A
	ATOM 1893 CA ASN A 235	-47.920 -32.539 45.473 1.00127.83	A	ATOM 1978 C ILE A 246	-27.158 -28.671 33.503 1.00 36.39	A
	ATOM 1894 CB ASN A 235	-47.697 -31.167 44.817 1.00150.99	A	ATOM 1979 O ILE A 246	-27.769 -27.609 33.501 1.00 36.39	A
	ATOM 1895 CG ASN A 235	-48.867 -30.748 43.925 1.00150.99	A	ATOM 1980 N THR A 247	-25.837 -28.721 33.489 1.00 41.29	A
	ATOM 1896 OD1 ASN A 235	-49.378 -31.564 43.161 1.00150.99	A	ATOM 1981 CA THR A 247	-25.059 -27.489 33.461 1.00 41.29	A
	ATOM 1897 ND2 ASN A 235	-49.284 -29.485 44.005 1.00150.99	A	ATOM 1982 CB THR A 247	-24.660 -27.064 34.890 1.00 43.90	A
	ATOM 1898 C ASN A 235	-48.031 -33.618 44.398 1.00127.83	A	ATOM 1983 OG1 THR A 247	-24.136 -25.733 34.868 1.00 41.14	A
	ATOM 1899 O ASN A 235	-47.209 -33.676 43.486 1.00127.83	A	ATOM 1984 CG2 THR A 247	-23.623 -28.013 35.464 1.00 41.14	A
35	ATOM 1900 N ASP A 236	-49.038 -34.477 44.518 1.00133.49	A	ATOM 1985 C THR A 247	-23.820 -27.715 32.608 1.00 41.29	A
	ATOM 1901 CA ASP A 236	-49.226 -35.586 43.584 1.00133.49	A	ATOM 1986 O THR A 247	-23.321 -28.834 32.535 1.00 41.29	A
	ATOM 1902 CB ASP A 236	-50.411 -36.441 44.039 1.00141.39	A	ATOM 1987 N GLY A 248	-23.340 -26.666 31.953 1.00 29.23	A
	ATOM 1903 CG ASP A 236	-50.318 -37.876 43.556 1.00141.39	A	ATOM 1988 CA GLY A 248	-22.181 -26.796 31.088 1.00 29.23	A
	ATOM 1904 OD1 ASP A 236	-50.489 -38.113 42.342 1.00141.39	A	ATOM 1989 C GLY A 248	-22.021 -25.594 30.173 1.00 29.23	A
	ATOM 1905 OD2 ASP A 236	-50.068 -38.769 44.394 1.00141.39	A	ATOM 1990 O GLY A 248	-22.716 -24.585 30.327 1.00 29.23	A
	ATOM 1906 C ASP A 236	-49.396 -35.216 42.108 1.00133.49	A	ATOM 1991 N CYS A 249	-21.105 -25.678 29.222 1.00 40.32	A
	ATOM 1907 O ASP A 236	-49.424 -36.100 41.252 1.00133.49	A	ATOM 1992 CA CYS A 249	-20.886 -24.560 28.312 1.00 40.32	A
	ATOM 1908 N SER A 237	-49.501 -33.925 41.802 1.00116.35	A	ATOM 1993 CB CYS A 249	-19.808 -23.618 28.852 1.00 28.15	A

65251/C766

1	ATOM 1994 SG CYS A 249	-18.108 -24.253 28.735 1.00 46.92	A	ATOM 2079 CA GLY A 260	-27.564 -24.479 34.139 1.00 43.69	A
	ATOM 1995 C CYS A 249	-20.485 -25.038 26.923 1.00 40.32	A	ATOM 2080 C GLY A 260	-29.047 -24.510 34.389 1.00 43.69	A
	ATOM 1996 O CYS A 249	-20.347 -26.242 26.684 1.00 40.32	A	ATOM 2081 O GLY A 260	-29.634 -23.488 34.736 1.00 43.69	A
	ATOM 1997 N TYR A 250	-20.290 -24.093 26.008 1.00 28.82	A	ATOM 2082 N TYR A 261	-29.666 -25.662 34.187 1.00 38.05	A
	ATOM 1998 CA TYR A 250	-19.943 -24.435 24.640 1.00 28.82	A	ATOM 2083 CA TYR A 261	-31.091 -25.787 34.413 1.00 38.05	A
	ATOM 1999 CB TYR A 250	-21.208 -24.804 23.874 1.00 40.60	A	ATOM 2084 CB TYR A 261	-31.837 -25.598 33.106 1.00 52.66	A
	ATOM 2000 CG TYR A 250	-22.175 -23.653 23.765 1.00 30.95	A	ATOM 2085 CG TYR A 261	-31.492 -26.613 32.044 1.00 36.45	A
	ATOM 2001 CD1 TYR A 250	-22.109 -22.756 22.697 1.00 30.95	A	ATOM 2086 CD1 TYR A 261	-32.166 -27.838 31.966 1.00 36.45	A
	ATOM 2002 CE1 TYR A 250	-22.980 -21.660 22.620 1.00 30.95	A	ATOM 2087 CE1 TYR A 261	-31.911 -28.732 30.932 1.00 36.45	A
5	ATOM 2003 CD2 TYR A 250	-23.133 -23.431 24.755 1.00 30.95	A	ATOM 2088 CD2 TYR A 261	-30.540 -26.320 31.064 1.00 36.45	A
	ATOM 2004 CE2 TYR A 250	-24.002 -22.348 24.692 1.00 30.95	A	ATOM 2089 CE2 TYR A 261	-30.272 -27.212 30.024 1.00 36.45	A
	ATOM 2005 CZ TYR A 250	-23.923 -21.464 23.627 1.00 30.95	A	ATOM 2090 CZ TYR A 261	-30.962 -28.409 29.962 1.00 36.45	A
	ATOM 2006 OH TYR A 250	-24.764 -20.374 23.596 1.00 30.95	A	ATOM 2091 OH TYR A 261	-30.718 -29.267 28.917 1.00 36.45	A
	ATOM 2007 C TYR A 250	-19.254 -23.305 23.899 1.00 28.82	A	ATOM 2092 C TYR A 261	-31.444 -27.125 35.038 1.00 38.05	A
	ATOM 2008 O TYR A 250	-19.429 -22.132 24.218 1.00 28.82	A	ATOM 2093 O TYR A 261	-30.628 -28.050 35.065 1.00 38.05	A
	ATOM 2009 N GLU A 251	-18.472 -23.702 22.901 1.00 55.77	A	ATOM 2094 N VAL A 262	-32.665 -27.213 35.551 1.00 46.88	A
	ATOM 2010 CA GLU A 251	-17.759 -22.806 22.016 1.00 55.77	A	ATOM 2095 CA VAL A 262	-33.144 -28.416 36.196 1.00 46.88	A
	ATOM 2011 CB GLU A 251	-16.274 -22.779 22.347 1.00122.74	A	ATOM 2096 CB VAL A 262	-33.636 -28.099 37.630 1.00 35.20	A
	ATOM 2012 CG GLU A 251	-15.828 -21.442 22.885 1.00 76.36	A	ATOM 2097 CG1 VAL A 262	-34.379 -29.295 38.220 1.00 26.69	A
	ATOM 2013 CD GLU A 251	-14.319 -21.340 23.060 1.00 76.36	A	ATOM 2098 CG2 VAL A 262	-32.458 -27.735 38.509 1.00 26.69	A
10	ATOM 2014 OE1 GLU A 251	-13.580 -21.568 22.074 1.00 76.36	A	ATOM 2099 C VAL A 262	-34.297 -28.958 35.388 1.00 46.88	A
	ATOM 2015 OE2 GLU A 251	-13.869 -21.021 24.185 1.00 76.36	A	ATOM 2100 O VAL A 262	-35.240 -28.230 35.119 1.00 46.88	A
	ATOM 2016 C GLU A 251	-17.992 -23.443 20.652 1.00 55.77	A	ATOM 2101 N GLU A 263	-34.213 -30.219 34.974 1.00 39.93	A
	ATOM 2017 O GLU A 251	-17.161 -24.191 20.154 1.00 55.77	A	ATOM 2102 CA GLU A 263	-35.314 -30.834 34.247 1.00 39.93	A
	ATOM 2018 N THR A 252	-19.162 -23.174 20.081 1.00 42.72	A	ATOM 2103 CB GLU A 263	-34.921 -31.215 32.823 1.00 80.13	A
	ATOM 2019 CA THR A 252	-19.570 -23.692 18.776 1.00 42.72	A	ATOM 2104 CG GLU A 263	-33.723 -32.091 32.721 1.00 66.73	A
	ATOM 2020 CB THR A 252	-21.080 -23.968 18.766 1.00 48.59	A	ATOM 2105 CD GLU A 263	-33.407 -32.447 31.285 1.00 66.73	A
	ATOM 2021 OG1 THR A 252	-21.408 -24.809 19.878 1.00 48.59	A	ATOM 2106 OE1 GLU A 263	-33.528 -31.552 30.409 1.00 66.73	A
	ATOM 2022 CG2 THR A 252	-21.500 -24.655 17.479 1.00 48.59	A	ATOM 2107 OE2 GLU A 263	-33.024 -33.617 31.034 1.00 66.73	A
	ATOM 2023 C THR A 252	-19.260 -22.632 17.723 1.00 42.72	A	ATOM 2108 C GLU A 263	-35.830 -32.055 35.007 1.00 39.93	A
	ATOM 2024 O THR A 252	-20.060 -21.725 17.503 1.00 42.72	A	ATOM 2109 O GLU A 263	-35.146 -32.621 35.859 1.00 39.93	A
15	ATOM 2025 N GLY A 253	-18.107 -22.740 17.071 1.00 46.62	A	ATOM 2110 N THR A 264	-37.058 -32.435 34.683 1.00 61.03	A
	ATOM 2026 CA GLY A 253	-17.746 -21.734 16.091 1.00 46.62	A	ATOM 2111 CA THR A 264	-37.753 -33.543 35.311 1.00 61.03	A
	ATOM 2027 C GLY A 253	-17.601 -20.395 16.797 1.00 46.62	A	ATOM 2112 CB THR A 264	-39.066 -33.008 35.928 1.00 85.07	A
	ATOM 2028 O GLY A 253	-16.918 -20.298 17.821 1.00 46.62	A	ATOM 2113 OG1 THR A 264	-38.876 -32.797 37.329 1.00 64.00	A
	ATOM 2029 N LEU A 254	-18.251 -19.367 16.265 1.00 41.88	A	ATOM 2114 CG2 THR A 264	-40.222 -33.933 35.691 1.00 64.00	A
	ATOM 2030 CA LEU A 254	-18.193 -18.045 16.866 1.00 41.88	A	ATOM 2115 C THR A 264	-38.031 -34.598 34.260 1.00 61.03	A
	ATOM 2031 CB LEU A 254	-18.667 -16.978 15.880 1.00 41.55	A	ATOM 2116 O THR A 264	-37.873 -34.340 33.075 1.00 61.03	A
	ATOM 2032 CG LEU A 254	-17.799 -16.639 14.678 1.00 41.55	A	ATOM 2117 N ALA A 265	-38.418 -35.794 34.680 1.00 60.02	A
	ATOM 2033 CD1 LEU A 254	-18.413 -15.434 13.983 1.00 41.55	A	ATOM 2118 CA ALA A 265	-38.725 -36.842 33.711 1.00 60.02	A
	ATOM 2034 CD2 LEU A 254	-16.368 -16.346 15.120 1.00 41.55	A	ATOM 2119 CB ALA A 265	-39.104 -38.132 34.435 1.00 89.86	A
	ATOM 2035 C LEU A 254	-19.062 -17.954 18.110 1.00 41.88	A	ATOM 2120 C ALA A 265	-39.891 -36.353 32.832 1.00 60.02	A
	ATOM 2036 O LEU A 254	-18.769 -17.171 19.013 1.00 41.88	A	ATOM 2121 O ALA A 265	-40.075 -36.822 31.708 1.00 60.02	A
20	ATOM 2037 N LEU A 255	-20.136 -18.739 18.148 1.00 39.50	A	ATOM 2122 N ASN A 266	-40.660 -35.395 33.355 1.00 69.57	A
	ATOM 2038 CA LEU A 255	-21.045 -18.718 19.284 1.00 39.50	A	ATOM 2123 CA ASN A 266	-41.807 -34.825 32.655 1.00 69.57	A
	ATOM 2039 CB LEU A 255	-22.335 -19.458 18.945 1.00 34.93	A	ATOM 2124 CB ASN A 266	-42.836 -34.298 33.652 1.00138.29	A
	ATOM 2040 CG LEU A 255	-23.024 -19.026 17.654 1.00 34.93	A	ATOM 2125 CG ASN A 266	-43.261 -35.344 34.646 1.00 80.14	A
	ATOM 2041 CD1 LEU A 255	-24.331 -19.802 17.505 1.00 34.93	A	ATOM 2126 OD1 ASN A 266	-43.640 -36.459 34.272 1.00 80.14	A
	ATOM 2042 CD2 LEU A 255	-23.290 -17.535 17.671 1.00 34.93	A	ATOM 2127 ND2 ASN A 266	-43.202 -34.997 35.929 1.00 80.14	A
	ATOM 2043 C LEU A 255	-20.429 -19.330 20.538 1.00 39.50	A	ATOM 2128 C ASN A 266	-41.410 -33.696 31.714 1.00 69.57	A
	ATOM 2044 O LEU A 255	-19.582 -20.224 20.459 1.00 39.50	A	ATOM 2129 O ASN A 266	-42.206 -33.279 30.871 1.00 69.57	A
	ATOM 2045 N PHE A 256	-20.851 -18.832 21.698 1.00 36.06	A	ATOM 2130 N GLY A 267	-40.185 -33.194 31.860 1.00 67.66	A
	ATOM 2046 CA PHE A 256	-20.362 -19.353 22.962 1.00 36.06	A	ATOM 2131 CA GLY A 267	-39.719 -32.117 30.999 1.00 67.66	A
	ATOM 2047 CB PHE A 256	-18.945 -18.836 23.228 1.00 41.07	A	ATOM 2132 C GLY A 267	-39.017 -30.991 31.732 1.00 67.66	A
25	ATOM 2048 CG PHE A 256	-18.862 -17.350 23.439 1.00 38.08	A	ATOM 2133 O GLY A 267	-38.987 -30.981 32.957 1.00 67.66	A
	ATOM 2049 CD1 PHE A 256	-18.856 -16.817 24.716 1.00 38.08	A	ATOM 2134 N PRO A 268	-38.451 -30.014 31.006 1.00 56.39	A
	ATOM 2050 CD2 PHE A 256	-18.779 -16.475 22.356 1.00 38.08	A	ATOM 2135 CD PRO A 268	-38.666 -29.792 29.570 1.00 45.81	A
	ATOM 2051 CE1 PHE A 256	-18.766 -15.442 24.913 1.00 38.08	A	ATOM 2136 CA PRO A 268	-37.741 -28.873 31.595 1.00 56.39	A
	ATOM 2052 CE2 PHE A 256	-18.689 -15.091 22.554 1.00 38.08	A	ATOM 2137 CB PRO A 268	-37.524 -27.945 30.407 1.00 61.70	A
	ATOM 2053 CZ PHE A 256	-18.682 -14.584 23.830 1.00 38.08	A	ATOM 2138 CG PRO A 268	-38.653 -28.292 29.499 1.00 45.81	A
	ATOM 2054 C PHE A 256	-21.305 -18.961 24.087 1.00 36.06	A	ATOM 2139 C PRO A 268	-38.533 -28.215 32.701 1.00 56.39	A
	ATOM 2055 O PHE A 256	-21.889 -17.883 24.059 1.00 36.06	A	ATOM 2140 O PRO A 268	-39.732 -27.993 32.566 1.00 56.39	A
	ATOM 2056 N GLY A 257	-21.467 -19.848 25.064 1.00 49.71	A	ATOM 2141 N LEU A 269	-37.848 -27.896 33.792 1.00 58.92	A
	ATOM 2057 CA GLY A 257	-22.342 -19.557 26.184 1.00 49.71	A	ATOM 2142 CA LEU A 269	-38.481 -27.293 34.955 1.00 58.92	A
	ATOM 2058 C GLY A 257	-22.303 -20.650 27.234 1.00 49.71	A	ATOM 2143 CB LEU A 269	-38.136 -28.130 36.186 1.00 88.77	A
	ATOM 2059 O GLY A 257	-21.567 -21.629 27.087 1.00 49.71	A	ATOM 2144 CG LEU A 269	-38.972 -27.909 37.429 1.00 54.11	A
30	ATOM 2060 N SER A 258	-23.086 -20.490 28.298 1.00 35.40	A	ATOM 2145 CD1 LEU A 269	-40.430 -28.090 37.074 1.00 54.11	A
	ATOM 2061 CA SER A 258	-23.130 -21.488 29.360 1.00 35.40	A	ATOM 2146 CD2 LEU A 269	-38.554 -28.884 38.502 1.00 54.11	A
	ATOM 2062 CB SER A 258	-22.272 -21.050 30.542 1.00 41.52	A	ATOM 2147 C LEU A 269	-38.068 -25.829 35.160 1.00 58.92	A
	ATOM 2063 OG SER A 258	-22.838 -19.925 31.180 1.00 51.64	A	ATOM 2148 O LEU A 269	-38.860 -24.917 34.916 1.00 58.92	A
	ATOM 2064 C SER A 258	-24.571 -21.670 29.811 1.00 35.40	A	ATOM 2149 N ALA A 270	-36.834 -25.601 35.601 1.00 57.43	A
	ATOM 2065 O SER A 258	-25.416 -20.818 29.545 1.00 35.40	A	ATOM 2150 CA ALA A 270	-36.346 -24.243 35.841 1.00 57.43	A
	ATOM 2066 N TYR A 259	-24.856 -22.762 30.504 1.00 41.55	A	ATOM 2151 CB ALA A 270	-36.438 -23.898 37.318 1.00 36.48	A
	ATOM 2067 CA TYR A 259	-26.217 -23.002 30.944 1.00 41.55	A	ATOM 2152 C ALA A 270	-34.924 -24.020 35.371 1.00 57.43	A
	ATOM 2068 CB TYR A 259	-26.975 -23.785 29.864 1.00 46.65	A	ATOM 2153 O ALA A 270	-34.073 -24.901 35.457 1.00 57.43	A
	ATOM 2069 CG TYR A 259	-26.239 -25.033 29.431 1.00 42.40	A	ATOM 2154 N ARG A 271	-34.672 -22.803 34.913 1.00 48.73	A
	ATOM 2070 CD1 TYR A 259	-26.313 -26.211 30.177 1.00 42.40	A	ATOM 2155 CA ARG A 271	-33.372 -22.880 34.388 1.00 48.73	A
35	ATOM 2071 CE1 TYR A 259	-25.560 -27.314 29.839 1.00 42.40	A	ATOM 2156 CB ARG A 271	-33.604 -21.774 33.003 1.00 55.45	A
	ATOM 2072 CD2 TYR A 259	-25.388 -25.008 28.329 1.00 42.40	A	ATOM 2157 CG ARG A 271	-32.454 -21.024 32.402 1.00 48.57	A
	ATOM 2073 CE2 TYR A 259	-24.628 -26.118 27.990 1.00 42.40	A	ATOM 2158 CD ARG A 271	-32.868 -20.390 31.074 1.00 48.57	A
	ATOM 2074 CZ TYR A 259	-24.722 -27.258 28.751 1.00 42.40	A	ATOM 2159 NE ARG A 271	-33.093 -21.373 30.022 1.00 48.57	A
	ATOM 2075 OH TYR A 259	-23.952 -28.336 28.421 1.00 42.40	A	ATOM 2160 CZ ARG A 271	-34.287 -21.716 29.554 1.00 48.57	A
	ATOM 2076 C TYR A 259	-26.235 -23.775 32.241 1.00 41.55	A	ATOM 2161 NHI ARG A 271	-35.378 -21.149 30.046 1.00 48.57	A
	ATOM 2077 O TYR A 259	-25.236 -24.371 32.637 1.00 41.55	A			
	ATOM 2078 N GLY A 260	-27.389 -23.765 32.895 1.00 43.69	A			

65251/C766

1	ATOM	2162	NH2 ARG A 271	-34.384 -22.628 28.593 1.00 48.57	A	ATOM	2247	CG LYS A 281	-41.252 -19.130 34.716 1.00 82.17	A
	ATOM	2163	C ARG A 271	-32.740 -21.361 35.335 1.00 48.73	A	ATOM	2248	CD LYS A 281	-42.275 -18.765 33.650 1.00 82.17	A
	ATOM	2164	O ARG A 271	-33.411 -20.456 35.817 1.00 48.73	A	ATOM	2249	CE LYS A 281	-43.689 -19.201 34.023 1.00 82.17	A
	ATOM	2165	N TYR A 272	-31.452 -21.508 35.608 1.00 49.18	A	ATOM	2250	NZ LYS A 281	-44.700 -18.779 32.993 1.00 82.17	A
	ATOM	2166	CA TYR A 272	-30.773 -20.602 36.528 1.00 49.18	A	ATOM	2251	C LYS A 281	-39.132 -21.245 33.388 1.00 53.03	A
5	ATOM	2167	CB TYR A 272	-29.679 -21.338 37.291 1.00 40.45	A	ATOM	2252	O LYS A 281	-38.735 -20.292 32.719 1.00 53.03	A
	ATOM	2168	CG TYR A 272	-28.959 -20.476 38.301 1.00 37.92	A	ATOM	2253	N MET A 282	-39.162 -22.488 32.920 1.00 46.21	A
	ATOM	2169	CD1 TYR A 272	-29.511 -20.231 39.561 1.00 37.92	A	ATOM	2254	CA MET A 282	-38.775 -22.794 31.546 1.00 46.21	A
	ATOM	2170	CE1 TYR A 272	-28.876 -19.374 40.476 1.00 37.92	A	ATOM	2255	CB MET A 282	-37.836 -24.000 31.483 1.00 60.91	A
	ATOM	2171	CD2 TYR A 272	-27.748 -19.850 37.983 1.00 37.92	A	ATOM	2256	CG MET A 282	-36.443 -23.744 32.022 1.00 60.91	A
10	ATOM	2172	CE2 TYR A 272	-27.113 -18.998 38.893 1.00 37.92	A	ATOM	2257	SD MET A 282	-35.284 -25.020 31.505 1.00 60.91	A
	ATOM	2173	CZ TYR A 272	-27.687 -18.769 40.129 1.00 37.92	A	ATOM	2258	CE MET A 282	-35.491 -26.194 32.787 1.00 60.91	A
	ATOM	2174	OH TYR A 272	-27.082 -17.929 41.022 1.00 37.92	A	ATOM	2259	C MET A 282	-40.030 -23.115 30.762 1.00 46.21	A
	ATOM	2175	C TYR A 272	-30.148 -19.433 35.800 1.00 49.18	A	ATOM	2260	O MET A 282	-39.991 -23.233 29.542 1.00 46.21	A
	ATOM	2176	O TYR A 272	-29.317 -19.626 34.918 1.00 49.18	A	ATOM	2261	N THR A 283	-41.140 -23.248 31.482 1.00 65.03	A
15	ATOM	2177	N HIS A 273	-30.536 -18.217 36.174 1.00 70.65	A	ATOM	2262	CA THR A 283	-42.430 -23.572 30.895 1.00 65.03	A
	ATOM	2178	CA HIS A 273	-29.992 -17.023 35.533 1.00 70.65	A	ATOM	2263	CB THR A 283	-42.804 -25.037 31.195 1.00 57.48	A
	ATOM	2179	CB HIS A 273	-31.104 -16.018 35.222 1.00133.16	A	ATOM	2264	OG1 THR A 283	-41.868 -25.897 30.547 1.00 57.48	A
	ATOM	2180	CG HIS A 273	-31.958 -16.419 34.060 1.00113.89	A	ATOM	2265	CG2 THR A 283	-44.189 -25.369 30.685 1.00 57.48	A
	ATOM	2181	CD2 HIS A 273	-33.284 -16.678 33.972 1.00113.89	A	ATOM	2266	C THR A 283	-43.480 -22.670 31.511 1.00 65.03	A
20	ATOM	2182	ND1 HIS A 273	-31.442 -16.630 32.800 1.00113.89	A	ATOM	2267	O THR A 283	-43.257 -22.130 32.589 1.00 65.03	A
	ATOM	2183	CE1 HIS A 273	-32.413 -17.002 31.985 1.00113.89	A	ATOM	2268	N HIS A 284	-44.612 -22.500 30.821 1.00 71.66	A
	ATOM	2184	NE2 HIS A 273	-33.541 -17.040 32.672 1.00113.89	A	ATOM	2269	CA HIS A 284	-45.726 -21.688 31.317 1.00 71.66	A
	ATOM	2185	C HIS A 273	-28.901 -16.361 36.347 1.00 70.65	A	ATOM	2270	CB HIS A 284	-46.894 -21.739 30.323 1.00159.86	A
	ATOM	2186	O HIS A 273	-29.101 -15.945 37.486 1.00 70.65	A	ATOM	2271	CG HIS A 284	-47.372 -23.129 30.020 1.00159.86	A
25	ATOM	2187	N THR A 274	-27.730 -16.289 35.733 1.00 59.27	A	ATOM	2272	CD2 HIS A 284	-48.555 -23.742 30.270 1.00159.86	A
	ATOM	2188	CA THR A 274	-26.551 -15.691 36.333 1.00 59.27	A	ATOM	2273	ND1 HIS A 284	-46.582 -24.071 29.394 1.00159.86	A
	ATOM	2189	CB THR A 274	-25.387 -15.752 35.334 1.00 62.69	A	ATOM	2274	CE1 HIS A 284	-47.256 -25.202 29.273 1.00159.86	A
	ATOM	2190	OG1 THR A 274	-24.586 -16.900 35.626 1.00 55.22	A	ATOM	2275	NE2 HIS A 284	-48.456 -25.029 29.797 1.00159.86	A
	ATOM	2191	CG2 THR A 274	-24.550 -14.493 35.384 1.00 55.22	A	ATOM	2276	C HIS A 284	-46.180 -22.260 32.671 1.00 71.66	A
30	ATOM	2192	C THR A 274	-26.789 -14.251 36.763 1.00 59.27	A	ATOM	2277	O HIS A 284	-46.545 -21.518 33.591 1.00 71.66	A
	ATOM	2193	O THR A 274	-26.265 -13.804 37.782 1.00 59.27	A	ATOM	2278	N LYS A 285	-46.125 -23.589 32.769 1.00 92.53	A
	ATOM	2194	N GLY A 275	-27.577 -13.523 35.980 1.00 54.93	A	ATOM	2279	CA LYS A 285	-46.520 -24.351 33.954 1.00 92.53	A
	ATOM	2195	CA GLY A 275	-27.864 -12.139 36.305 1.00 54.93	A	ATOM	2280	CB LYS A 285	-46.138 -25.826 33.765 1.00141.03	A
	ATOM	2196	C GLY A 275	-28.712 -11.969 37.553 1.00 54.93	A	ATOM	2281	CG LYS A 285	-47.266 -26.810 34.026 1.00141.03	A
35	ATOM	2197	O GLY A 275	-28.263 -11.400 38.548 1.00 54.93	A	ATOM	2282	CD LYS A 285	-48.396 -26.643 33.013 1.00141.03	A
	ATOM	2198	N ASP A 276	-29.942 -12.469 37.502 1.00 58.31	A	ATOM	2283	CE LYS A 285	-49.528 -27.630 33.270 1.00141.03	A
	ATOM	2199	CA ASP A 276	-30.869 -12.374 38.626 1.00 58.31	A	ATOM	2284	NZ LYS A 285	-50.630 -27.488 32.279 1.00141.03	A
	ATOM	2200	CB ASP A 276	-32.256 -12.819 38.170 1.00146.35	A	ATOM	2285	C LYS A 285	-45.924 -23.847 35.264 1.00 92.53	A
	ATOM	2201	CG ASP A 276	-32.677 -12.155 36.886 1.00125.35	A	ATOM	2286	O LYS A 285	-46.548 -23.968 36.314 1.00 92.53	A
40	ATOM	2202	OD1 ASP A 276	-32.914 -10.929 36.905 1.00125.35	A	ATOM	2287	N GLY A 286	-44.721 -23.283 35.204 1.00 71.04	A
	ATOM	2203	OD2 ASP A 276	-32.759 -12.858 35.854 1.00125.35	A	ATOM	2288	CA GLY A 286	-44.067 -22.799 36.410 1.00 71.04	A
	ATOM	2204	C ASP A 276	-30.458 -13.205 39.845 1.00 58.31	A	ATOM	2289	C GLY A 286	-43.319 -23.937 37.086 1.00 71.04	A
	ATOM	2205	O ASP A 276	-30.951 -12.966 40.948 1.00 58.31	A	ATOM	2290	O GLY A 286	-43.283 -25.056 36.568 1.00 71.04	A
	ATOM	2206	N LYS A 277	-29.571 -14.181 39.649 1.00 54.13	A	ATOM	2291	N PHE A 287	-42.711 -23.668 38.235 1.00 69.53	A
45	ATOM	2207	CA LYS A 277	-29.129 -15.052 40.738 1.00 54.13	A	ATOM	2292	CA PHE A 287	-41.980 -24.709 38.956 1.00 69.53	A
	ATOM	2208	CB LYS A 277	-28.400 -14.235 41.807 1.00 90.93	A	ATOM	2293	CB PHE A 287	-40.492 -24.678 38.590 1.00 59.33	A
	ATOM	2209	CG LYS A 277	-27.083 -13.659 41.335 1.00 76.14	A	ATOM	2294	CG PHE A 287	-39.764 -23.465 39.093 1.00 59.33	A
	ATOM	2210	CD LYS A 277	-26.584 -12.592 42.288 1.00 76.14	A	ATOM	2295	CD1 PHE A 287	-39.244 -23.434 40.383 1.00 59.33	A
	ATOM	2211	CE LYS A 277	-25.220 -12.043 41.871 1.00 76.14	A	ATOM	2296	CD2 PHE A 287	-39.599 -22.347 38.279 1.00 59.33	A
50	ATOM	2212	NZ LYS A 277	-24.085 -12.982 42.165 1.00 76.14	A	ATOM	2297	CE1 PHE A 287	-38.566 -22.302 40.856 1.00 59.33	A
	ATOM	2213	C LYS A 277	-30.323 -15.799 41.352 1.00 54.13	A	ATOM	2298	CE2 PHE A 287	-38.923 -21.211 38.742 1.00 59.33	A
	ATOM	2214	O LYS A 277	-30.514 -15.818 42.564 1.00 54.13	A	ATOM	2299	CZ PHE A 287	-38.406 -21.188 40.032 1.00 59.33	A
	ATOM	2215	N ARG A 278	-31.122 -16.415 40.492 1.00 57.61	A	ATOM	2300	C PHE A 287	-42.151 -24.544 40.460 1.00 69.53	A
	ATOM	2216	CA ARG A 278	-32.291 -17.169 40.920 1.00 57.61	A	ATOM	2301	O PHE A 287	-42.169 -23.422 40.980 1.00 69.53	A
55	ATOM	2217	CB ARG A 278	-33.402 -16.210 41.327 1.00127.22	A	ATOM	2302	N PRO A 288	-42.275 -25.668 41.179 1.00 59.13	A
	ATOM	2218	CG ARG A 278	-33.984 -15.471 40.149 1.00111.85	A	ATOM	2303	CD PRO A 288	-42.166 -27.044 40.666 1.00 42.83	A
	ATOM	2219	CD ARG A 278	-34.884 -14.342 40.581 1.00111.85	A	ATOM	2304	CA PRO A 288	-42.447 -25.662 42.633 1.00 59.13	A
	ATOM	2220	NE ARG A 278	-35.537 -13.710 39.436 1.00111.85	A	ATOM	2305	CB PRO A 288	-42.690 -27.132 42.953 1.00 42.83	A
	ATOM	2221	CZ ARG A 278	-36.152 -12.532 39.481 1.00111.85	A	ATOM	2306	CG PRO A 288	-41.871 -27.839 41.928 1.00 42.83	A
60	ATOM	2222	NH1 ARG A 278	-36.197 -11.850 40.619 1.00111.85	A	ATOM	2307	C PRO A 288	-41.235 -25.098 43.367 1.00 59.13	A
	ATOM	2223	NH2 ARG A 278	-36.723 -12.037 38.389 1.00111.85	A	ATOM	2308	O PRO A 288	-40.116 -25.574 43.188 1.00 59.13	A
	ATOM	2224	C ARG A 278	-32.766 -18.032 39.745 1.00 57.61	A	ATOM	2309	N LYS A 289	-41.456 -24.076 44.188 1.00 77.43	A
	ATOM	2225	O ARG A 278	-32.301 -17.861 38.617 1.00 57.61	A	ATOM	2310	CA LYS A 289	-40.363 -23.473 44.934 1.00 77.43	A
	ATOM	2226	N PHE A 279	-33.679 -18.963 40.006 1.00 52.63	A	ATOM	2311	CB LYS A 289	-40.702 -22.020 45.286 1.00 99.16	A
65	ATOM	2227	CA PHE A 279	-34.200 -19.808 38.943 1.00 52.63	A	ATOM	2312	CG LYS A 289	-40.539 -21.074 44.094 1.00 99.16	A
	ATOM	2228	CB PHE A 279	-34.638 -21.170 39.486 1.00 61.73	A	ATOM	2313	CD LYS A 289	-40.885 -19.640 44.440 1.00 99.16	A
	ATOM	2229	CG PHE A 279	-33.513 -22.135 39.695 1.00 45.50	A	ATOM	2314	CE LYS A 289	-42.382 -19.477 44.659 1.00 99.16	A
	ATOM	2230	CD1 PHE A 279	-32.863 -22.211 40.918 1.00 45.50	A	ATOM	2315	NZ LYS A 289	-42.762 -18.071 44.974 1.00 99.16	A
	ATOM	2231	CD2 PHE A 279	-33.091 -22.960 38.661 1.00 45.50	A	ATOM	2316	C LYS A 289	-40.033 -24.290 46.180 1.00 77.43	A
70	ATOM	2232	CE1 PHE A 279	-31.802 -23.099 41.109 1.00 45.50	A	ATOM	2317	O LYS A 289	-40.406 -23.941 47.299 1.00 77.43	A
	ATOM	2233	CE2 PHE A 279	-32.036 -23.845 38.844 1.00 45.50	A	ATOM	2318	N VAL A 290	-39.312 -25.385 45.955 1.00 66.58	A
	ATOM	2234	CZ PHE A 279	-31.389 -23.915 40.070 1.00 45.50	A	ATOM	2319	CA VAL A 290	-38.907 -26.301 47.007 1.00 66.58	A
	ATOM	2235	C PHE A 279	-35.398 -19.142 38.277 1.00 52.63	A	ATOM	2320	CB VAL A 290	-39.789 -27.562 47.005 1.00 55.78	A
	ATOM	2236	O PHE A 279	-36.089 -18.331 38.895 1.00 52.63	A	ATOM	2321	CG1 VAL A 290	-41.245 -27.162 47.014 1.00 55.78	A
75	ATOM	2237	N THR A 280	-35.639 -19.488 37.015 1.00 48.0						

65251/C766

1	ATOM 2332 CG MET A 292	-32.410 -27.800 43.569	1.00 60.79	A	ATOM 2417 CG ASP A 302	-23.332 -24.477 50.196	1.00 86.65	A
	ATOM 2333 SD MET A 292	-31.290 -28.366 42.287	1.00 60.79	A	ATOM 2418 OD1 ASP A 302	-22.186 -23.979 50.197	1.00 86.65	A
	ATOM 2334 CE MET A 292	-31.702 -30.095 42.244	1.00 60.79	A	ATOM 2419 OD2 ASP A 302	-23.885 -24.920 51.225	1.00 86.65	A
	ATOM 2335 C MET A 292	-33.200 -25.357 44.785	1.00 59.90	A	ATOM 2420 C ASP A 302	-24.495 -23.406 46.695	1.00 46.62	A
	ATOM 2336 O MET A 292	-32.446 -24.576 44.212	1.00 59.90	A	ATOM 2421 O ASP A 302	-23.641 -23.572 45.820	1.00 46.62	A
	ATOM 2337 N LEU A 293	-34.519 -25.300 44.664	1.00 73.36	A	ATOM 2422 N VAL A 303	-25.803 -23.384 46.440	1.00 37.38	A
	ATOM 2338 CA LEU A 293	-35.141 -24.309 43.802	1.00 73.36	A	ATOM 2423 CA VAL A 303	-26.298 -23.543 45.084	1.00 37.38	A
	ATOM 2339 CB LEU A 293	-36.302 -24.956 43.052	1.00 46.30	A	ATOM 2424 CB VAL A 303	-27.820 -23.507 45.035	1.00 36.27	A
	ATOM 2340 CG LEU A 293	-35.913 -26.073 42.075	1.00 46.30	A	ATOM 2425 CG1 VAL A 303	-28.291 -23.514 43.600	1.00 25.58	A
5	ATOM 2341 CD1 LEU A 293	-37.165 -26.708 41.492	1.00 46.30	A	ATOM 2426 CG2 VAL A 303	-28.381 -24.700 45.766	1.00 25.58	A
	ATOM 2342 CD2 LEU A 293	-35.052 -25.496 40.966	1.00 46.30	A	ATOM 2427 C VAL A 303	-25.744 -22.398 44.260	1.00 37.38	A
	ATOM 2343 C LEU A 293	-35.603 -22.996 44.436	1.00 73.36	A	ATOM 2428 O VAL A 303	-25.133 -22.625 43.219	1.00 37.38	A
	ATOM 2344 O LEU A 293	-36.063 -22.107 43.724	1.00 73.36	A	ATOM 2429 N LYS A 304	-25.938 -21.169 44.738	1.00 52.76	A
	ATOM 2345 N THR A 294	-35.488 -22.854 45.754	1.00 71.51	A	ATOM 2430 CA LYS A 304	-25.443 -19.984 44.038	1.00 52.76	A
	ATOM 2346 CA THR A 294	-35.903 -21.603 46.390	1.00 71.51	A	ATOM 2431 CB LYS A 304	-25.599 -18.736 44.904	1.00 85.84	A
	ATOM 2347 CB THR A 294	-37.088 -21.780 47.325	1.00 88.17	A	ATOM 2432 CG LYS A 304	-26.951 -18.068 44.857	1.00 67.76	A
	ATOM 2348 OG1 THR A 294	-38.015 -22.698 46.747	1.00 88.17	A	ATOM 2433 CD LYS A 304	-26.948 -16.863 45.782	1.00 67.76	A
	ATOM 2349 CG2 THR A 294	-37.782 -20.436 47.539	1.00 88.17	A	ATOM 2434 CE LYS A 304	-28.257 -16.110 45.713	1.00 67.76	A
	ATOM 2350 C THR A 294	-34.820 -20.974 47.228	1.00 71.51	A	ATOM 2435 NZ LYS A 304	-28.322 -15.027 46.722	1.00 67.76	A
	ATOM 2351 O THR A 294	-33.978 -21.663 47.793	1.00 71.51	A	ATOM 2436 C LYS A 304	-23.974 -20.135 43.692	1.00 52.76	A
10	ATOM 2352 N VAL A 295	-34.858 -19.652 47.322	1.00 72.74	A	ATOM 2437 O LYS A 304	-23.546 -19.869 42.572	1.00 52.76	A
	ATOM 2353 CA VAL A 295	-33.885 -18.940 48.122	1.00 72.74	A	ATOM 2438 N ALA A 305	-23.201 -20.561 44.671	1.00 54.43	A
	ATOM 2354 CB VAL A 295	-34.015 -17.432 47.907	1.00 90.46	A	ATOM 2439 CA ALA A 305	-21.772 -20.731 44.492	1.00 54.43	A
	ATOM 2355 CG1 VAL A 295	-32.924 -16.690 48.687	1.00 90.46	A	ATOM 2440 CB ALA A 305	-21.126 -20.937 45.852	1.00 17.97	A
	ATOM 2356 CG2 VAL A 295	-33.930 -17.126 46.421	1.00 90.46	A	ATOM 2441 C ALA A 305	-21.365 -21.857 43.539	1.00 54.43	A
	ATOM 2357 C VAL A 295	-34.156 -19.284 49.587	1.00 72.74	A	ATOM 2442 O ALA A 305	-20.578 -21.634 42.617	1.00 54.43	A
	ATOM 2358 O VAL A 295	-33.281 -19.140 50.448	1.00 72.74	A	ATOM 2443 N TYR A 306	-21.891 -23.060 43.761	1.00 43.71	A
	ATOM 2359 N LYS A 296	-35.373 -19.756 49.851	1.00 63.22	A	ATOM 2444 CA TYR A 306	-21.545 -24.197 42.919	1.00 43.71	A
	ATOM 2360 CA LYS A 296	-35.795 -20.135 51.197	1.00 63.22	A	ATOM 2445 CB TYR A 306	-21.985 -25.503 43.583	1.00 53.74	A
	ATOM 2361 CB LYS A 296	-37.241 -20.642 51.170	1.00108.60	A	ATOM 2446 CG TYR A 306	-21.240 -25.809 44.853	1.00 48.43	A
	ATOM 2362 CG LYS A 296	-38.265 -19.629 50.675	1.00108.60	A	ATOM 2447 CD1 TYR A 306	-21.844 -26.530 45.882	1.00 48.43	A
	ATOM 2363 CD LYS A 296	-38.532 -18.531 51.702	1.00108.60	A	ATOM 2448 CE1 TYR A 306	-21.166 -26.815 47.046	1.00 48.43	A
15	ATOM 2364 CE LYS A 296	-39.262 -19.076 52.922	1.00108.60	A	ATOM 2449 CD2 TYR A 306	-19.930 -25.384 45.028	1.00 48.43	A
	ATOM 2365 NZ LYS A 296	-39.522 -18.027 53.947	1.00108.60	A	ATOM 2450 CE2 TYR A 306	-19.241 -25.665 46.188	1.00 48.43	A
	ATOM 2366 C LYS A 296	-34.900 -21.226 51.777	1.00 63.22	A	ATOM 2451 CZ TYR A 306	-19.863 -26.380 47.191	1.00 48.43	A
	ATOM 2367 O LYS A 296	-34.668 -21.271 52.985	1.00 63.22	A	ATOM 2452 OH TYR A 306	-19.170 -26.673 48.339	1.00 48.43	A
	ATOM 2368 N ASN A 297	-34.395 -22.099 50.908	1.00 51.25	A	ATOM 2453 C TYR A 306	-22.124 -24.121 41.523	1.00 43.71	A
	ATOM 2369 CA ASN A 297	-33.547 -23.211 51.328	1.00 51.25	A	ATOM 2454 O TYR A 306	-21.403 -24.283 40.553	1.00 43.71	A
	ATOM 2370 CB ASN A 297	-33.203 -24.101 50.131	1.00 56.65	A	ATOM 2455 N LEU A 307	-23.422 -23.876 41.420	1.00 36.14	A
	ATOM 2371 CG ASN A 297	-32.561 -25.413 50.548	1.00 56.65	A	ATOM 2456 CA LEU A 307	-24.076 -23.814 40.123	1.00 36.14	A
	ATOM 2372 OD1 ASN A 297	-31.487 -25.430 51.152	1.00 56.65	A	ATOM 2457 CB LEU A 307	-25.566 -24.127 40.264	1.00 56.60	A
	ATOM 2373 ND2 ASN A 297	-33.224 -26.520 50.234	1.00 56.65	A	ATOM 2458 CG LEU A 307	-26.403 -23.923 39.003	1.00 24.73	A
20	ATOM 2374 C ASN A 297	-32.263 -22.800 52.034	1.00 51.25	A	ATOM 2459 CD1 LEU A 307	-25.917 -24.828 37.879	1.00 24.73	A
	ATOM 2375 O ASN A 297	-31.552 -21.892 51.615	1.00 51.25	A	ATOM 2460 CD2 LEU A 307	-27.863 -24.210 39.323	1.00 24.73	A
	ATOM 2376 N THR A 298	-31.964 -23.503 53.112	1.00 54.05	A	ATOM 2461 C LEU A 307	-23.889 -22.455 39.472	1.00 36.14	A
	ATOM 2377 CA THR A 298	-30.785 -23.223 53.903	1.00 54.05	A	ATOM 2462 O LEU A 307	-23.467 -22.349 38.314	1.00 36.14	A
	ATOM 2378 CB THR A 298	-30.769 -24.124 55.141	1.00 72.09	A	ATOM 2463 N GLY A 308	-24.201 -21.406 40.213	1.00 50.36	A
	ATOM 2379 OG1 THR A 298	-29.439 -24.194 55.658	1.00 72.09	A	ATOM 2464 CA GLY A 308	-24.044 -20.077 39.664	1.00 50.36	A
	ATOM 2380 CG2 THR A 298	-31.259 -25.512 54.788	1.00 72.09	A	ATOM 2465 C GLY A 308	-22.611 -19.795 39.252	1.00 50.36	A
	ATOM 2381 C THR A 298	-29.473 -23.373 53.130	1.00 54.05	A	ATOM 2466 O GLY A 308	-22.363 -19.297 38.154	1.00 50.36	A
	ATOM 2382 O THR A 298	-28.467 -22.760 53.478	1.00 54.05	A	ATOM 2467 N GLY A 309	-21.663 -20.115 40.126	1.00 39.03	A
	ATOM 2383 N LEU A 299	-29.483 -24.175 52.074	1.00 59.52	A	ATOM 2468 CA GLY A 309	-20.272 -19.866 39.812	1.00 39.03	A
	ATOM 2384 CA LEU A 299	-28.270 -24.393 51.284	1.00 59.52	A	ATOM 2469 C GLY A 309	-19.792 -20.559 38.551	1.00 39.03	A
	ATOM 2385 CB LEU A 299	-28.146 -25.868 50.903	1.00 52.64	A	ATOM 2470 O GLY A 309	-19.169 -19.935 37.678	1.00 39.03	A
25	ATOM 2386 CG LEU A 299	-27.918 -26.808 52.083	1.00 52.64	A	ATOM 2471 N PHE A 310	-20.087 -21.854 38.459	1.00 42.20	A
	ATOM 2387 CD1 LEU A 299	-27.938 -28.238 51.604	1.00 52.64	A	ATOM 2472 CA PHE A 310	-19.679 -22.664 37.327	1.00 42.20	A
	ATOM 2388 CD2 LEU A 299	-26.581 -26.475 52.741	1.00 52.64	A	ATOM 2473 CB PHE A 310	-20.207 -24.081 37.500	1.00 39.00	A
	ATOM 2389 C LEU A 299	-28.185 -23.551 50.023	1.00 59.52	A	ATOM 2474 CG PHE A 310	-19.631 -25.067 36.526	1.00 34.83	A
	ATOM 2390 O LEU A 299	-27.264 -23.719 49.224	1.00 59.52	A	ATOM 2475 CD1 PHE A 310	-18.262 -25.320 36.496	1.00 34.83	A
	ATOM 2391 N TRP A 300	-29.141 -22.646 49.853	1.00 54.96	A	ATOM 2476 CD2 PHE A 310	-20.459 -25.762 35.652	1.00 34.83	A
	ATOM 2392 CA TRP A 300	-29.172 -21.780 48.680	1.00 54.96	A	ATOM 2477 CE1 PHE A 310	-17.731 -26.254 35.608	1.00 34.83	A
	ATOM 2393 CB TRP A 300	-30.216 -20.679 48.867	1.00 57.00	A	ATOM 2478 CE2 PHE A 310	-19.937 -26.694 34.764	1.00 34.83	A
	ATOM 2394 CG TRP A 300	-30.335 -19.781 47.686	1.00 57.00	A	ATOM 2479 CZ PHE A 310	-18.571 -26.944 34.739	1.00 34.83	A
	ATOM 2395 CD2 TRP A 300	-30.692 -20.169 46.358	1.00 57.00	A	ATOM 2480 C PHE A 310	-20.241 -22.064 36.050	1.00 42.20	A
	ATOM 2396 CE2 TRP A 300	-30.675 -18.998 45.562	1.00 57.00	A	ATOM 2481 O PHE A 310	-19.532 -21.930 35.036	1.00 42.20	A
30	ATOM 2397 CE3 TRP A 300	-31.026 -21.393 45.760	1.00 57.00	A	ATOM 2482 N GLU A 311	-21.517 -21.690 36.115	1.00 35.00	A
	ATOM 2398 CD1 TRP A 300	-30.120 -18.425 47.649	1.00 57.00	A	ATOM 2483 CA GLU A 311	-22.199 -21.131 34.963	1.00 35.00	A
	ATOM 2399 NE1 TRP A 300	-30.324 -17.950 46.374	1.00 57.00	A	ATOM 2484 CB GLU A 311	-23.704 -21.094 35.205	1.00 91.84	A
	ATOM 2400 CZ2 TRP A 300	-30.980 -19.017 44.200	1.00 57.00	A	ATOM 2485 CG GLU A 311	-24.508 -21.061 33.923	1.00 76.07	A
	ATOM 2401 CZ3 TRP A 300	-31.330 -21.412 44.407	1.00 57.00	A	ATOM 2486 CD GLU A 311	-25.981 -20.843 34.159	1.00 76.07	A
	ATOM 2402 CH2 TRP A 300	-31.305 -20.230 43.641	1.00 57.00	A	ATOM 2487 OE1 GLU A 311	-26.532 -21.406 35.126	1.00 76.07	A
	ATOM 2403 C TRP A 300	-27.809 -21.145 48.384	1.00 54.96	A	ATOM 2488 OE2 GLU A 311	-26.598 -20.115 33.364	1.00 76.07	A
	ATOM 2404 O TRP A 300	-27.384 -21.079 47.223	1.00 54.96	A	ATOM 2489 C GLU A 311	-21.699 -19.734 34.639	1.00 35.00	A
	ATOM 2405 N LYS A 301	-27.127 -20.684 49.430	1.00 59.16	A	ATOM 2490 O GLU A 311	-21.628 -19.341 33.482	1.00 35.00	A
	ATOM 2406 CA LYS A 301	-25.834 -20.049 49.251	1.00 59.16	A	ATOM 2491 N TYR A 312	-21.333 -18.982 35.661	1.00 42.68	A
	ATOM 2407 CB LYS A 301	-25.242 -19.617 50.603	1.00 74.35	A	ATOM 2492 CA TYR A 312	-20.863 -17.631 35.438	1.00 42.68	A
35	ATOM 2408 CG LYS A 301	-26.108 -18.609 51.370	1.00 74.35	A	ATOM 2493 CB TYR A 312	-20.792 -16.872 36.751	1.00 48.53	A
	ATOM 2409 CD LYS A 301	-26.577 -17.447 50.475	1.00 74.35	A	ATOM 2494 CG TYR A 312	-20.383 -15.432 36.559	1.00 43.23	A
	ATOM 2410 CE LYS A 301	-27.763 -16.691 51.082	1.00 74.35	A	ATOM 2495 CD1 TYR A 312	-21.277 -14.500 36.027	1.00 43.23	A
	ATOM 2411 NZ LYS A 301	-28.476 -15.846 50.083	1.00 74.35	A	ATOM 2496 CE1 TYR A 312	-20.904 -13.172 35.818	1.00 43.23	A
	ATOM 2412 C LYS A 301	-24.879 -20.971 48.519	1.00 59.16	A	ATOM 2497 CD2 TYR A 312	-19.092 -15.000 36.883	1.00 43.23	A
	ATOM 2413 O LYS A 301	-24.084 -20.522 47.691	1.00 59.16	A	ATOM 2498 CE2 TYR A 312	-18.707 -13.670 36.675	1.00 43.23	A
	ATOM 2414 N ASP A 302	-24.960 -22.263 48.806	1.00 46.62	A	ATOM 2499 CZ TYR A 312	-19.622 -12.763 36.137	1.00 43.23	A
	ATOM 2415 CA ASP A 302	-24.081 -23.210 48.143	1.00 46.62	A	ATOM 2500 OH TYR A 312	-19.239 -11.461 35.882	1.00 43.23	A
	ATOM 2416 CB ASP A 302	-24.075 -24.548 48.879	1.00 86.65	A	ATOM 2501 C TYR A 312	-19.498 -17.556 34.769	1.00 42.68	A

65251/C766

1	ATOM 2502 O TYR A 312	-19.246 -16.660 33.972 1.00 42.68	A	ATOM 2587 CB LYS A 324	-5.010 -28.495 27.063 1.00 77.76	A
	ATOM 2503 N MET A 313	-18.600 -18.474 35.097 1.00 43.73	A	ATOM 2588 CG LYS A 324	-4.790 -27.041 26.807 1.00 67.19	A
	ATOM 2504 CA MET A 313	-17.274 -18.410 34.505 1.00 43.73	A	ATOM 2589 CD LYS A 324	-3.855 -26.464 27.848 1.00 67.19	A
	ATOM 2505 CB MET A 313	-16.494 -17.272 35.146 1.00 54.39	A	ATOM 2590 CE LYS A 324	-3.596 -24.973 27.594 1.00 67.19	A
	ATOM 2506 CG MET A 313	-15.131 -17.073 34.555 1.00 54.24	A	ATOM 2591 NZ LYS A 324	-2.527 -24.399 28.471 1.00 67.19	A
	ATOM 2507 SD MET A 313	-14.199 -15.773 35.398 1.00 54.24	A	ATOM 2592 C LYS A 324	-5.391 -30.723 26.103 1.00 53.33	A
	ATOM 2508 CE MET A 313	-15.293 -14.432 35.214 1.00 54.24	A	ATOM 2593 O LYS A 324	-4.632 -31.285 25.316 1.00 53.33	A
	ATOM 2509 C MET A 313	-16.480 -19.703 34.636 1.00 43.73	A	ATOM 2594 N MET A 325	-5.951 -31.350 27.131 1.00 54.40	A
	ATOM 2510 O MET A 313	-15.703 -20.060 33.746 1.00 43.73	A	ATOM 2595 CA MET A 325	-5.678 -32.753 27.384 1.00 54.40	A
5	ATOM 2511 N GLY A 314	-16.677 -20.401 35.749 1.00 34.56	A	ATOM 2596 CB MET A 325	-6.090 -33.108 28.804 1.00 68.42	A
	ATOM 2512 CA GLY A 314	-15.957 -21.636 35.979 1.00 34.56	A	ATOM 2597 CG MET A 325	-5.290 -32.354 29.839 1.00 56.98	A
	ATOM 2513 C GLY A 314	-15.888 -22.576 34.792 1.00 34.56	A	ATOM 2598 SD MET A 325	-5.713 -32.721 31.544 1.00 56.98	A
	ATOM 2514 O GLY A 314	-14.806 -23.009 34.380 1.00 34.56	A	ATOM 2599 CE MET A 325	-6.876 -31.468 31.891 1.00 56.98	A
	ATOM 2515 N CYS A 315	-17.050 -22.897 34.243 1.00 41.13	A	ATOM 2600 C MET A 325	-6.350 -33.687 26.407 1.00 54.40	A
	ATOM 2516 CA CYS A 315	-17.107 -23.802 33.124 1.00 41.13	A	ATOM 2601 O MET A 325	-6.006 -34.851 26.339 1.00 54.40	A
	ATOM 2517 CB CYS A 315	-18.556 -24.043 32.731 1.00 47.54	A	ATOM 2602 N ALA A 326	-7.303 -33.187 25.639 1.00 51.00	A
	ATOM 2518 SG CYS A 315	-18.746 -25.461 31.664 1.00 52.91	A	ATOM 2603 CA ALA A 326	-7.989 -34.049 24.697 1.00 51.00	A
	ATOM 2519 C CYS A 315	-16.319 -23.304 31.916 1.00 41.13	A	ATOM 2604 CB ALA A 326	-9.467 -33.653 24.611 1.00 32.02	A
	ATOM 2520 O CYS A 315	-15.495 -24.037 31.372 1.00 41.13	A	ATOM 2605 C ALA A 326	-7.357 -34.006 23.315 1.00 51.00	A
	ATOM 2521 N SER A 316	-16.562 -22.071 31.487 1.00 42.04	A	ATOM 2606 O ALA A 326	-7.475 -34.962 22.552 1.00 51.00	A
10	ATOM 2522 CA SER A 316	-15.851 -21.540 30.325 1.00 42.04	A	ATOM 2607 N LYS A 327	-6.677 -32.903 23.009 1.00 88.79	A
	ATOM 2523 CB SER A 316	-16.252 -20.101 30.063 1.00 37.42	A	ATOM 2608 CA LYS A 327	-6.062 -32.688 21.704 1.00 88.79	A
	ATOM 2524 OG SER A 316	-15.795 -19.283 31.112 1.00 42.92	A	ATOM 2609 CB LYS A 327	-4.759 -31.907 21.838 1.00167.55	A
	ATOM 2525 C SER A 316	-14.336 -21.604 30.485 1.00 42.04	A	ATOM 2610 CG LYS A 327	-4.275 -31.390 20.499 1.00 85.84	A
	ATOM 2526 O SER A 316	-13.609 -21.676 29.500 1.00 42.04	A	ATOM 2611 CD LYS A 327	-3.066 -30.491 20.632 1.00 85.84	A
	ATOM 2527 N LEU A 317	-13.853 -21.558 31.720 1.00 39.03	A	ATOM 2612 CE LYS A 327	-2.663 -29.912 19.276 1.00 85.84	A
	ATOM 2528 CA LEU A 317	-12.424 -21.651 31.959 1.00 39.03	A	ATOM 2613 NZ LYS A 327	-1.446 -29.046 19.357 1.00 85.84	A
	ATOM 2529 CB LEU A 317	-12.074 -21.060 33.320 1.00 54.31	A	ATOM 2614 C LYS A 327	-5.813 -33.930 20.862 1.00 88.79	A
	ATOM 2530 CG LEU A 317	-12.189 -19.537 33.427 1.00 46.82	A	ATOM 2615 O LYS A 327	-6.450 -34.127 19.824 1.00 88.79	A
	ATOM 2531 CD1 LEU A 317	-11.960 -19.098 34.864 1.00 46.82	A	ATOM 2616 N GLY A 328	-4.897 -34.781 21.298 1.00 57.80	A
	ATOM 2532 CD2 LEU A 317	-11.162 -18.888 32.516 1.00 46.82	A	ATOM 2617 CA GLY A 328	-4.626 -35.963 20.506 1.00 57.80	A
15	ATOM 2533 C LEU A 317	-11.990 -23.117 31.909 1.00 39.03	A	ATOM 2618 C GLY A 328	-5.488 -37.196 20.725 1.00 57.80	A
	ATOM 2534 O LEU A 317	-10.985 -23.472 31.287 1.00 39.03	A	ATOM 2619 O GLY A 328	-5.633 -38.004 19.815 1.00 57.80	A
	ATOM 2535 N ALA A 318	-12.760 -23.974 32.563 1.00 33.35	A	ATOM 2620 N LYS A 329	-6.087 -37.346 21.902 1.00 54.27	A
	ATOM 2536 CA ALA A 318	-12.450 -25.389 32.595 1.00 33.35	A	ATOM 2621 CA LYS A 329	-6.863 -38.546 22.177 1.00 54.27	A
	ATOM 2537 CB ALA A 318	-13.452 -26.103 33.483 1.00 23.27	A	ATOM 2622 CB LYS A 329	-6.694 -38.925 23.648 1.00187.60	A
	ATOM 2538 C ALA A 318	-12.424 -26.028 31.207 1.00 33.35	A	ATOM 2623 CG LYS A 329	-5.268 -39.307 24.015 1.00187.60	A
	ATOM 2539 O ALA A 318	-11.487 -26.758 30.876 1.00 33.35	A	ATOM 2624 CD LYS A 329	-5.240 -40.070 23.321 1.00187.60	A
	ATOM 2540 N ILE A 319	-13.441 -25.746 30.394 1.00 43.03	A	ATOM 2625 CE LYS A 329	-3.842 -40.545 25.673 1.00 77.36	A
	ATOM 2541 CA ILE A 319	-13.520 -26.341 29.066 1.00 43.03	A	ATOM 2626 NZ LYS A 329	-3.863 -41.325 26.949 1.00 77.36	A
	ATOM 2542 CB ILE A 319	-14.646 -25.709 28.207 1.00 53.37	A	ATOM 2627 C LYS A 329	-8.338 -38.669 21.792 1.00 54.27	A
	ATOM 2543 CG2 ILE A 319	-14.247 -24.324 27.748 1.00 27.93	A	ATOM 2628 O LYS A 329	-9.020 -39.565 22.296 1.00 54.27	A
	ATOM 2544 CG1 ILE A 319	-14.893 -26.572 26.971 1.00 27.93	A	ATOM 2629 N ILE A 330	-8.846 -37.809 20.912 1.00 42.16	A
20	ATOM 2545 CD1 ILE A 319	-16.093 -26.150 26.174 1.00 27.93	A	ATOM 2630 CA ILE A 330	-10.256 -37.946 20.500 1.00 42.16	A
	ATOM 2546 C ILE A 319	-12.209 -26.249 28.307 1.00 43.03	A	ATOM 2631 CB ILE A 330	-11.190 -36.972 21.277 1.00 49.41	A
	ATOM 2547 O ILE A 319	-11.883 -27.132 27.523 1.00 43.03	A	ATOM 2632 CG2 ILE A 330	-10.995 -37.144 22.783 1.00 50.33	A
	ATOM 2548 N LEU A 320	-11.448 -25.190 28.553 1.00 43.89	A	ATOM 2633 CG1 ILE A 330	-10.910 -35.527 20.870 1.00 50.33	A
	ATOM 2549 CA LEU A 320	-10.170 -25.011 27.874 1.00 43.89	A	ATOM 2634 CD1 ILE A 330	-12.004 -34.572 21.269 1.00 50.33	A
	ATOM 2550 CB LEU A 320	-9.675 -23.570 28.044 1.00 66.07	A	ATOM 2635 C ILE A 330	-10.418 -37.707 19.006 1.00 42.16	A
	ATOM 2551 CG LEU A 320	-10.558 -22.486 27.393 1.00 43.91	A	ATOM 2636 O ILE A 330	-9.482 -37.268 18.352 1.00 42.16	A
	ATOM 2552 CD1 LEU A 320	-9.946 -21.132 27.617 1.00 43.91	A	ATOM 2637 N PRO A 331	-11.608 -37.983 18.449 1.00 42.62	A
	ATOM 2553 CD2 LEU A 320	-10.717 -22.740 25.899 1.00 43.91	A	ATOM 2638 CD PRO A 331	-12.838 -38.443 19.105 1.00 26.64	A
25	ATOM 2554 C LEU A 320	-9.108 -26.009 28.343 1.00 43.89	A	ATOM 2639 CA PRO A 331	-11.848 -37.782 17.015 1.00 42.62	A
	ATOM 2555 O LEU A 320	-8.228 -26.399 27.572 1.00 43.89	A	ATOM 2640 CB PRO A 331	-13.361 -37.881 16.899 1.00170.62	A
	ATOM 2556 N ASP A 321	-9.185 -26.429 29.602 1.00 48.56	A	ATOM 2641 CG PRO A 331	-13.688 -38.870 17.910 1.00 26.64	A
	ATOM 2557 CA ASP A 321	-8.235 -27.410 30.109 1.00 48.56	A	ATOM 2642 C PRO A 331	-11.331 -36.438 16.539 1.00 42.62	A
	ATOM 2558 CB ASP A 321	-8.297 -27.495 31.635 1.00 89.28	A	ATOM 2643 O PRO A 331	-11.516 -35.427 17.218 1.00 42.62	A
	ATOM 2559 CG ASP A 321	-7.718 -26.266 32.315 1.00 68.28	A	ATOM 2644 N LYS A 332	-10.671 -36.428 15.381 1.00 54.24	A
	ATOM 2560 OD1 ASP A 321	-6.642 -25.801 31.875 1.00 68.28	A	ATOM 2645 CA LYS A 332	-10.138 -35.194 14.820 1.00 54.86	A
	ATOM 2561 OD2 ASP A 321	-8.329 -25.777 33.300 1.00 68.28	A	ATOM 2646 CB LYS A 332	-9.168 -35.511 13.688 1.00119.49	A
	ATOM 2562 C ASP A 321	-8.549 -28.781 29.501 1.00 48.56	A	ATOM 2647 CG LYS A 332	-9.830 -36.263 12.551 1.00 91.03	A
	ATOM 2563 O ASP A 321	-7.639 -29.553 29.178 1.00 48.56	A	ATOM 2648 CD LYS A 332	-9.038 -36.138 11.267 1.00 91.03	A
	ATOM 2564 N TYR A 322	-9.836 -29.083 29.346 1.00 47.67	A	ATOM 2649 CE LYS A 332	-9.818 -36.696 10.087 1.00 91.03	A
	ATOM 2565 CA TYR A 322	-10.231 -30.354 28.761 1.00 47.67	A	ATOM 2650 NZ LYS A 332	-9.109 -36.451 8.799 1.00 91.03	A
30	ATOM 2566 CB TYR A 322	-11.755 -30.494 28.714 1.00 51.44	A	ATOM 2651 C LYS A 332	-11.286 -34.330 14.279 1.00 53.93	A
	ATOM 2567 CG TYR A 322	-12.410 -30.816 30.047 1.00 42.15	A	ATOM 2652 O LYS A 332	-12.370 -34.826 13.967 1.00 52.02	A
	ATOM 2568 CD1 TYR A 322	-12.496 -29.861 31.057 1.00 42.15	A	ATOM 2653 N ASP A 333	-11.047 -33.031 14.174 1.00 64.68	A
	ATOM 2569 CE1 TYR A 322	-13.133 -30.139 32.264 1.00 42.15	A	ATOM 2654 CA ASP A 333	-12.061 -32.132 13.648 1.00 64.14	A
	ATOM 2570 CD2 TYR A 322	-12.975 -32.066 30.287 1.00 42.15	A	ATOM 2655 CB ASP A 333	-11.564 -30.686 13.706 1.00142.70	A
	ATOM 2571 CE2 TYR A 322	-13.612 -32.350 31.493 1.00 42.15	A	ATOM 2656 CG ASP A 333	-11.903 -30.007 15.015 1.00110.29	A
	ATOM 2572 CZ TYR A 322	-13.688 -31.378 32.470 1.00 42.15	A	ATOM 2657 OD1 ASP A 333	-11.850 -30.670 16.068 1.00110.29	A
	ATOM 2573 OH TYR A 322	-14.343 -31.627 33.649 1.00 42.15	A	ATOM 2658 OD2 ASP A 333	-12.214 -28.803 14.996 1.00110.29	A
	ATOM 2574 C TYR A 322	-9.683 -30.422 27.346 1.00 47.67	A	ATOM 2659 C ASP A 333	-12.367 -32.518 12.208 1.00 67.99	A
	ATOM 2575 O TYR A 322	-9.065 -31.419 26.944 1.00 47.67	A	ATOM 2660 O ASP A 333	-11.474 -32.894 11.443 1.00 67.64	A
	ATOM 2576 N GLN A 323	-9.914 -29.348 26.595 1.00 61.50	A	ATOM 2661 N THR A 334	-13.637 -32.435 11.842 1.00 32.26	A
	ATOM 2577 CA GLN A 323	-9.468 -29.271 25.223 1.00 61.50	A	ATOM 2662 CA THR A 334	-14.050 -32.761 10.484 1.00 31.98	A
35	ATOM 2578 CB GLN A 323	-9.754 -27.895 24.658 1.00 74.81	A	ATOM 2663 CB THR A 334	-14.640 -34.167 10.421 1.00 64.41	A
	ATOM 2579 CG GLN A 323	-9.314 -27.764 23.238 1.00 49.20	A	ATOM 2664 OG1 THR A 334	-13.572 -35.113 10.548 1.00 50.31	A
	ATOM 2580 CD GLN A 323	-9.699 -26.442 22.642 1.00 49.20	A	ATOM 2665 CG2 THR A 334	-15.394 -34.391 9.111 1.00 50.31	A
	ATOM 2581 OE1 GLN A 323	-9.427 -25.380 23.223 1.00 49.20	A	ATOM 2666 C THR A 334	-15.062 -31.755 9.951 1.00 38.42	A
	ATOM 2582 NE2 GLN A 323	-10.339 -26.484 21.470 1.00 49.20	A	ATOM 2667 O THR A 334	-16.150 -31.591 10.507 1.00 35.78	A
	ATOM 2583 C GLN A 323	-7.987 -29.589 25.102 1.00 61.50	A	ATOM 2668 N THR A 335	-14.689 -31.085 8.860 1.00 52.82	A
	ATOM 2584 O GLN A 323	-7.595 -30.368 24.237 1.00 61.50	A	ATOM 2669 CA THR A 335	-15.545 -30.077 8.254 1.00 52.61	A
	ATOM 2585 N LYS A 324	-7.167 -28.995 25.966 1.00 53.33	A			
	ATOM 2586 CA LYS A 324	-5.723 -29.248 25.945 1.00 53.33	A			

65251/C766

1	ATOM 2670 CB THR A 335	-14.755 -29.200	7.319	1.00	60.38	A	ATOM 2755 C GLU A 346	-48.750 -27.813	0.619	1.00	187.27	A
	ATOM 2671 OG1 THR A 335	-13.542 -28.801	7.970	1.00	49.74	A	ATOM 2756 O GLU A 346	-49.069 -26.841	-0.072	1.00	187.27	A
	ATOM 2672 CG2 THR A 335	-15.569 -27.978	6.961	1.00	49.74	A	ATOM 2757 N ASP A 347	-49.243 -28.009	1.840	1.00	192.07	A
	ATOM 2673 C THR A 335	-16.708 -30.672	7.496	1.00	53.47	A	ATOM 2758 CA ASP A 347	-50.204 -27.066	2.418	1.00	192.07	A
	ATOM 2674 O THR A 335	-16.548 -31.582	6.708	1.00	54.82	A	ATOM 2759 CB ASP A 347	-50.710 -27.565	3.782	1.00	174.30	A
	ATOM 2675 N PRO A 336	-17.906 -30.146	7.719	1.00	48.72	A	ATOM 2760 CG ASP A 347	-49.764 -27.234	4.920	1.00	174.30	A
	ATOM 2676 CD PRO A 336	-18.260 -29.063	8.653	1.00	40.71	A	ATOM 2761 OD1 ASP A 347	-48.608 -27.705	4.900	1.00	174.30	A
	ATOM 2677 CA PRO A 336	-19.098 -30.650	7.048	1.00	48.30	A	ATOM 2762 OD2 ASP A 347	-50.184 -26.499	5.840	1.00	174.30	A
	ATOM 2678 CB PRO A 336	-20.205 -30.215	7.989	1.00	49.57	A	ATOM 2763 C ASP A 347	-49.629 -25.659	2.561	1.00	192.07	A
5	ATOM 2679 CG PRO A 336	-19.740 -28.841	8.359	1.00	40.71	A	ATOM 2764 O ASP A 347	-50.332 -24.668	2.351	1.00	192.07	A
	ATOM 2680 C PRO A 336	-19.319 -30.100	5.645	1.00	48.34	A	ATOM 2765 N GLY A 348	-48.349 -25.577	2.915	1.00	190.33	A
	ATOM 2681 O PRO A 336	-18.612 -29.202	5.193	1.00	48.97	A	ATOM 2766 CA GLY A 348	-47.700 -24.287	3.073	1.00	187.64	A
	ATOM 2682 N THR A 337	-20.331 -30.659	4.989	1.00	47.72	A	ATOM 2767 C GLY A 348	-46.908 -23.911	1.836	1.00	184.60	A
	ATOM 2683 CA THR A 337	-20.751 -30.275	3.655	1.00	51.18	A	ATOM 2768 O GLY A 348	-46.383 -24.781	1.141	1.00	179.61	A
	ATOM 2684 CB THR A 337	-20.890 -31.494	2.754	1.00	111.85	A	ATOM 2769 N ASN A 349	-46.812 -22.615	1.558	1.00	200.72	A
	ATOM 2685 OG1 THR A 337	-19.593 -32.000	2.442	1.00	62.74	A	ATOM 2770 CA ASN A 349	-46.085 -22.152	0.385	1.00	200.62	A
	ATOM 2686 CG2 THR A 337	-21.622 -31.139	1.483	1.00	62.74	A	ATOM 2771 CB ASN A 349	-45.987 -20.620	0.393	1.00	119.15	A
	ATOM 2687 C THR A 337	-22.130 -29.694	3.871	1.00	58.75	A	ATOM 2772 CG ASN A 349	-45.821 -20.047	1.786	1.00	104.33	A
	ATOM 2688 O THR A 337	-22.953 -30.314	4.535	1.00	50.13	A	ATOM 2773 OD1 ASN A 349	-46.693 -20.191	2.645	1.00	104.33	A
	ATOM 2689 N VAL A 338	-22.397 -28.517	3.325	1.00	61.11	A	ATOM 2774 ND2 ASN A 349	-44.698 -19.387	2.016	1.00	104.33	A
10	ATOM 2690 CA VAL A 338	-23.705 -27.923	3.529	1.00	67.97	A	ATOM 2775 C ASN A 349	-44.700 -22.783	0.210	1.00	200.72	A
	ATOM 2691 CB VAL A 338	-23.602 -26.576	4.283	1.00	41.43	A	ATOM 2776 O ASN A 349	-44.565 -23.770	-0.516	1.00	200.72	A
	ATOM 2692 CG1 VAL A 338	-24.988 -26.094	4.702	1.00	41.05	A	ATOM 2777 N MET A 350	-43.681 -22.239	0.874	1.00	90.70	A
	ATOM 2693 CG2 VAL A 338	-22.686 -26.724	5.481	1.00	41.05	A	ATOM 2778 CA MET A 350	-42.324 -22.771	0.735	1.00	86.79	A
	ATOM 2694 C VAL A 338	-24.418 -27.694	2.217	1.00	72.44	A	ATOM 2779 CB MET A 350	-41.432 -21.713	0.083	1.00	165.92	A
	ATOM 2695 O VAL A 338	-23.792 -27.421	1.187	1.00	72.27	A	ATOM 2780 CG MET A 350	-39.993 -22.142	-0.109	1.00	120.60	A
	ATOM 2696 N LYS A 339	-25.736 -27.825	2.269	1.00	44.06	A	ATOM 2781 SD MET A 350	-39.026 -20.915	-0.987	1.00	120.60	A
	ATOM 2697 CA LYS A 339	-26.598 -27.616	1.114	1.00	41.94	A	ATOM 2782 CE MET A 350	-38.974 -21.657	-2.652	1.00	120.60	A
	ATOM 2698 CB LYS A 339	-26.729 -28.909	0.311	1.00	175.42	A	ATOM 2783 C MET A 350	-41.667 -23.271	2.030	1.00	83.93	A
	ATOM 2699 CG LYS A 339	-25.419 -29.370	-0.311	1.00	143.73	A	ATOM 2784 O MET A 350	-42.023 -22.848	3.131	1.00	80.36	A
	ATOM 2700 CD LYS A 339	-25.329 -30.883	-0.385	1.00	143.73	A	ATOM 2785 N THR A 351	-40.702 -24.181	1.878	1.00	98.62	A
	ATOM 2701 CE LYS A 339	-23.948 -31.323	-0.851	1.00	143.73	A	ATOM 2786 CA THR A 351	-39.972 -24.749	3.011	1.00	96.58	A
15	ATOM 2702 NZ LYS A 339	-23.758 -32.793	-0.716	1.00	143.73	A	ATOM 2787 CB THR A 351	-40.475 -26.185	3.348	1.00	100.87	A
	ATOM 2703 C LYS A 339	-27.952 -27.187	1.657	1.00	50.93	A	ATOM 2788 OG1 THR A 351	-40.413 -26.385	4.760	1.00	67.99	A
	ATOM 2704 O LYS A 339	-28.451 -27.788	2.605	1.00	43.59	A	ATOM 2789 CG2 THR A 351	-39.611 -27.261	2.669	1.00	67.99	A
	ATOM 2705 N VAL A 340	-28.525 -26.132	1.088	1.00	61.42	A	ATOM 2790 C THR A 351	-38.470 -24.805	2.710	1.00	90.81	A
	ATOM 2706 CA VAL A 340	-29.830 -25.654	1.531	1.00	58.85	A	ATOM 2791 O THR A 351	-38.052 -25.220	1.626	1.00	82.40	A
	ATOM 2707 CB VAL A 340	-29.849 -24.137	1.754	1.00	60.62	A	ATOM 2792 N LEU A 352	-37.657 -24.379	3.670	1.00	61.55	A
	ATOM 2708 CG1 VAL A 340	-31.237 -23.712	2.201	1.00	46.08	A	ATOM 2793 CA LEU A 352	-36.214 -24.400	3.489	1.00	64.57	A
	ATOM 2709 CG2 VAL A 340	-28.810 -23.738	2.788	1.00	46.08	A	ATOM 2794 CB LEU A 352	-35.625 -23.021	3.768	1.00	81.16	A
	ATOM 2710 C VAL A 340	-30.832 -25.964	0.433	1.00	61.42	A	ATOM 2795 CG LEU A 352	-35.819 -22.080	2.582	1.00	62.22	A
	ATOM 2711 O VAL A 340	-30.653 -25.539	-0.693	1.00	58.27	A	ATOM 2796 CD1 LEU A 352	-35.500 -20.660	2.972	1.00	62.22	A
	ATOM 2712 N THR A 341	-31.893 -26.692	0.752	1.00	64.19	A	ATOM 2797 CD2 LEU A 352	-34.927 -22.545	1.444	1.00	62.22	A
20	ATOM 2713 CA THR A 341	-32.886 -27.037	-0.257	1.00	60.09	A	ATOM 2798 C LEU A 352	-35.580 -25.444	4.387	1.00	61.25	A
	ATOM 2714 CB THR A 341	-33.136 -28.535	-0.285	1.00	79.90	A	ATOM 2799 O LEU A 352	-35.941 -25.580	5.556	1.00	56.87	A
	ATOM 2715 OG1 THR A 341	-31.916 -29.215	-0.600	1.00	61.26	A	ATOM 2800 N GLU A 353	-34.640 -26.192	3.827	1.00	67.27	A
	ATOM 2716 CG2 THR A 341	-34.175 -28.865	-1.330	1.00	61.26	A	ATOM 2801 CA GLU A 353	-33.971 -27.239	4.566	1.00	63.52	A
	ATOM 2717 C THR A 341	-34.215 -26.336	-0.052	1.00	62.24	A	ATOM 2802 CB GLU A 353	-34.405 -28.596	4.035	1.00	164.60	A
	ATOM 2718 O THR A 341	-34.651 -26.121	1.078	1.00	63.84	A	ATOM 2803 CG GLU A 353	-33.778 -29.754	4.758	1.00	123.15	A
	ATOM 2719 N GLY A 342	-34.860 -25.977	-1.155	1.00	114.98	A	ATOM 2804 CD GLU A 353	-34.169 -31.073	4.146	1.00	123.15	A
	ATOM 2720 CA GLY A 342	-36.132 -25.294	-1.059	1.00	119.15	A	ATOM 2805 OE1 GLU A 353	-35.385 -31.339	4.052	1.00	123.15	A
	ATOM 2721 C GLY A 342	-37.307 -26.159	-1.459	1.00	118.12	A	ATOM 2806 OE2 GLU A 353	-33.264 -31.843	3.756	1.00	123.15	A
	ATOM 2722 O GLY A 342	-37.978 -25.873	-2.449	1.00	112.39	A	ATOM 2807 C GLU A 353	-32.466 -27.114	4.450	1.00	66.77	A
	ATOM 2723 N ASN A 343	-37.559 -27.217	-0.694	1.00	99.59	A	ATOM 2808 O GLU A 353	-31.899 -27.265	3.363	1.00	67.55	A
25	ATOM 2724 CA ASN A 343	-38.678 -28.118	-0.975	1.00	106.00	A	ATOM 2809 N CYS A 354	-31.825 -26.848	5.585	1.00	64.81	A
	ATOM 2725 CB ASN A 343	-38.617 -29.350	-0.067	1.00	176.57	A	ATOM 2810 CA CYS A 354	-30.375 -26.708	5.659	1.00	65.09	A
	ATOM 2726 CG ASN A 343	-37.275 -30.048	-0.117	1.00	156.37	A	ATOM 2811 C CYS A 354	-29.843 -28.043	6.145	1.00	66.18	A
	ATOM 2727 OD1 ASN A 343	-36.857 -30.541	-1.165	1.00	156.37	A	ATOM 2812 O CYS A 354	-30.235 -28.501	7.207	1.00	64.88	A
	ATOM 2728 ND2 ASN A 343	-36.589 -30.091	1.021	1.00	156.37	A	ATOM 2813 CB CYS A 354	-30.019 -25.616	6.666	1.00	107.51	A
	ATOM 2729 C ASN A 343	-39.967 -27.361	-0.699	1.00	104.06	A	ATOM 2814 SG CYS A 354	-28.312 -24.997	6.614	1.00	84.70	A
	ATOM 2730 O ASN A 343	-39.960 -26.139	-0.569	1.00	92.69	A	ATOM 2815 N THR A 355	-28.979 -28.689	5.370	1.00	75.13	A
	ATOM 2731 N GLU A 344	-41.075 -28.086	-0.611	1.00	174.22	A	ATOM 2816 CA THR A 355	-28.433 -29.962	5.816	1.00	64.49	A
	ATOM 2732 CA GLU A 344	-42.364 -27.466	-0.325	1.00	174.22	A	ATOM 2817 CB THR A 355	-28.833 -31.125	4.903	1.00	116.37	A
	ATOM 2733 CB GLU A 344	-42.891 -26.728	-1.560	1.00	138.88	A	ATOM 2818 OG1 THR A 355	-27.751 -31.418	4.016	1.00	65.52	A
	ATOM 2734 CG GLU A 344	-42.410 -25.287	-1.613	1.00	118.78	A	ATOM 2819 CG2 THR A 355	-30.068 -30.777	4.099	1.00	65.52	A
30	ATOM 2735 CD GLU A 344	-42.761 -24.574	-2.900	1.00	118.78	A	ATOM 2820 C THR A 355	-26.917 -29.893	5.870	1.00	77.98	A
	ATOM 2736 OE1 GLU A 344	-42.123 -24.862	-3.935	1.00	118.78	A	ATOM 2821 O THR A 355	-26.249 -29.529	4.892	1.00	70.78	A
	ATOM 2737 OE2 GLU A 344	-43.674 -23.723	-2.874	1.00	118.78	A	ATOM 2822 N VAL A 356	-26.389 -30.246	7.034	1.00	44.17	A
	ATOM 2738 C GLU A 344	-43.364 -28.497	0.176	1.00	174.22	A	ATOM 2823 CA VAL A 356	-24.956 -30.236	7.283	1.00	39.89	A
	ATOM 2739 O GLU A 344	-43.840 -29.345	-0.580	1.00	174.22	A	ATOM 2824 CB VAL A 356	-24.656 -29.473	8.599	1.00	50.96	A
	ATOM 2740 N LEU A 345	-43.673 -28.403	1.469	1.00	200.84	A	ATOM 2825 CG1 VAL A 356	-23.160 -29.221	8.735	1.00	35.49	A
	ATOM 2741 CA LEU A 345	-44.580 -29.326	2.152	1.00	200.84	A	ATOM 2826 CG2 VAL A 356	-25.429 -28.163	8.613	1.00	35.49	A
	ATOM 2742 CB LEU A 345	-44.381 -29.210	3.675	1.00	176.20	A	ATOM 2827 C VAL A 356	-24.492 -31.690	7.367	1.00	48.73	A
	ATOM 2743 CG LEU A 345	-42.987 -29.532	4.243	1.00	128.99	A	ATOM 2828 O VAL A 356	-24.952 -32.444	8.210	1.00	49.84	A
	ATOM 2744 CD1 LEU A 345	-43.002 -29.411	5.762	1.00	128.99	A	ATOM 2829 N ASN A 357	-23.571 -32.069	6.488	1.00	55.95	A
	ATOM 2745 CD2 LEU A 345	-42.574 -30.935	3.836	1.00	128.99	A	ATOM 2830 CA ASN A 357	-23.102 -33.443	6.426	1.00	52.17	A
35	ATOM 2746 C LEU A 345	-46.078 -29.245	1.816	1.00	200.84	A	ATOM 2831 CB ASN A 357	-23.134 -33.924	4.984	1.00	135.75	A
	ATOM 2747 O LEU A 345	-46.926 -29.474	2.679	1.00	200.84	A	ATOM 2832 CG ASN A 357	-24.526 -33.958	4.434	1.00	89.67	A
	ATOM 2748 N GLU A 346	-46.390 -28.918	0.565	1.00	187.27	A	ATOM 2833 OD1 ASN A 357	-25.415 -34.565	5.030	1.00	89.67	A
	ATOM 2749 CA GLU A 346	-47.769 -28.859	0.066	1.00	187.27	A	ATOM 2834 ND2 ASN A 357	-24.736 -33.298	3.297	1.00	89.67	A
	ATOM 2750 CB GLU A 346	-48.390 -30.256	0.173	1.00	157.73	A	ATOM 2835 C ASN A 357	-21.752 -33.772	7.009			

65251/C766

1

ATOM 2840 OG SER A 358 -19.433 -35.985 6.576 1.00 61.99 A
 ATOM 2841 C SER A 358 -19.579 -34.337 9.020 1.00 50.38 A
 ATOM 2842 O SER A 358 -18.615 -34.053 8.304 1.00 45.93 A
 ATOM 2843 N PHE A 359 -19.783 -33.822 10.234 1.00 34.62 A
 ATOM 2844 CA PHE A 359 -18.890 -32.859 10.901 1.00 28.93 A
 ATOM 2845 CB PHE A 359 -19.654 -31.568 11.161 1.00 51.07 A
 ATOM 2846 CG PHE A 359 -21.009 -31.785 11.754 1.00 45.67 A
 ATOM 2847 CD1 PHE A 359 -21.163 -31.951 13.128 1.00 45.67 A
 ATOM 2848 CD2 PHE A 359 -22.144 -31.781 10.943 1.00 45.67 A
 ATOM 2849 CE1 PHE A 359 -22.436 -32.103 13.696 1.00 45.67 A
 ATOM 2850 CE2 PHE A 359 -23.425 -31.931 11.492 1.00 45.67 A
 ATOM 2851 CZ PHE A 359 -23.572 -32.090 12.873 1.00 45.67 A
 ATOM 2852 C PHE A 359 -18.455 -33.493 12.227 1.00 35.52 A
 ATOM 2853 O PHE A 359 -19.260 -34.203 12.835 1.00 33.07 A
 ATOM 2854 N TYR A 360 -17.219 -33.274 12.692 1.00 90.31 A
 ATOM 2855 CA TYR A 360 -16.905 -33.946 13.931 1.00 90.09 A
 ATOM 2856 CB TYR A 360 -15.431 -34.250 14.180 1.00 57.30 A
 ATOM 2857 CG TYR A 360 -15.324 -34.757 15.620 1.00 44.44 A
 ATOM 2858 CD1 TYR A 360 -16.237 -35.721 16.108 1.00 44.44 A
 ATOM 2859 CE1 TYR A 360 -16.286 -36.071 17.470 1.00 44.44 A
 ATOM 2860 CD2 TYR A 360 -14.444 -34.170 16.540 1.00 44.44 A
 ATOM 2861 CE2 TYR A 360 -14.485 -34.523 17.913 1.00 44.44 A
 ATOM 2862 CZ TYR A 360 -15.411 -35.470 18.363 1.00 44.44 A
 ATOM 2863 OH TYR A 360 -15.454 -35.811 19.698 1.00 44.44 A
 ATOM 2864 C TYR A 360 -17.417 -33.368 15.210 1.00 91.18 A
 ATOM 2865 O TYR A 360 -18.431 -33.836 15.697 1.00 97.11 A
 ATOM 2866 N PRO A 361 -16.721 -32.380 15.802 1.00 61.94 A
 ATOM 2867 CD PRO A 361 -15.850 -31.365 15.189 1.00 31.16 A
 ATOM 2868 CA PRO A 361 -17.322 -31.913 17.067 1.00 57.53 A
 ATOM 2869 CB PRO A 361 -16.603 -30.603 17.342 1.00 30.40 A
 ATOM 2870 CG PRO A 361 -16.230 -30.116 15.972 1.00 31.16 A
 ATOM 2871 C PRO A 361 -18.821 -31.817 16.793 1.00 64.93 A
 ATOM 2872 O PRO A 361 -19.267 -31.039 15.958 1.00 62.10 A
 ATOM 2873 N PRO A 362 -19.610 -32.683 17.453 1.00 45.90 A
 ATOM 2874 CD PRO A 362 -19.100 -33.574 18.513 1.00 35.37 A
 ATOM 2875 CA PRO A 362 -21.070 -32.794 17.324 1.00 39.61 A
 ATOM 2876 CB PRO A 362 -21.416 -33.969 18.239 1.00 35.37 A
 ATOM 2877 CG PRO A 362 -20.346 -33.917 19.272 1.00 35.37 A
 ATOM 2878 C PRO A 362 -21.936 -31.583 17.567 1.00 42.21 A
 ATOM 2879 O PRO A 362 -23.109 -31.577 17.185 1.00 46.97 A
 ATOM 2880 N ASP A 363 -21.372 -30.560 18.199 1.00 40.85 A
 ATOM 2881 CA ASP A 363 -22.116 -29.336 18.453 1.00 40.70 A
 ATOM 2882 CB ASP A 363 -21.479 -28.533 19.604 1.00 70.34 A
 ATOM 2883 CG ASP A 363 -19.959 -28.380 19.470 1.00 64.55 A
 ATOM 2884 OD1 ASP A 363 -19.248 -29.410 19.399 1.00 64.55 A
 ATOM 2885 OD2 ASP A 363 -19.473 -27.225 19.458 1.00 64.55 A
 ATOM 2886 C ASP A 363 -22.188 -28.484 17.191 1.00 44.24 A
 ATOM 2887 O ASP A 363 -21.167 -28.128 16.592 1.00 40.74 A
 ATOM 2888 N VAL A 364 -23.407 -28.174 16.775 1.00 41.77 A
 ATOM 2889 CA VAL A 364 -23.619 -27.351 15.597 1.00 44.09 A
 ATOM 2890 CB VAL A 364 -23.912 -28.189 14.335 1.00 61.02 A
 ATOM 2891 CG1 VAL A 364 -24.592 -27.338 13.290 1.00 39.41 A
 ATOM 2892 CG2 VAL A 364 -22.623 -28.706 13.763 1.00 39.41 A
 ATOM 2893 C VAL A 364 -24.814 -26.490 15.879 1.00 51.43 A
 ATOM 2894 O VAL A 364 -25.766 -26.925 16.519 1.00 43.17 A
 ATOM 2895 N ILE A 365 -24.750 -25.251 15.426 1.00 53.02 A
 ATOM 2896 CA ILE A 365 -25.863 -24.354 15.611 1.00 47.07 A
 ATOM 2897 CB ILE A 365 -25.601 -23.312 16.700 1.00 73.93 A
 ATOM 2898 CG2 ILE A 365 -26.725 -22.297 16.717 1.00 50.37 A
 ATOM 2899 CG1 ILE A 365 -25.527 -24.014 18.059 1.00 50.37 A
 ATOM 2900 CD1 ILE A 365 -25.264 -23.099 19.222 1.00 50.37 A
 ATOM 2901 C ILE A 365 -26.145 -23.687 14.296 1.00 53.83 A
 ATOM 2902 O ILE A 365 -25.242 -23.391 13.514 1.00 54.60 A
 ATOM 2903 N THR A 366 -27.423 -23.451 14.070 1.00 36.52 A
 ATOM 2904 CA THR A 366 -27.890 -22.880 12.838 1.00 44.80 A
 ATOM 2905 CB THR A 366 -28.689 -23.953 12.087 1.00 57.45 A
 ATOM 2906 OG1 THR A 366 -28.095 -24.168 10.816 1.00 45.13 A
 ATOM 2907 CG2 THR A 366 -30.131 -23.555 11.915 1.00 45.13 A
 ATOM 2908 C THR A 366 -28.747 -21.646 13.059 1.00 53.78 A
 ATOM 2909 O THR A 366 -29.617 -21.623 13.942 1.00 53.02 A
 ATOM 2910 N LYS A 367 -28.487 -20.623 12.247 1.00 46.12 A
 ATOM 2911 CA LYS A 367 -29.249 -19.373 12.295 1.00 49.32 A
 ATOM 2912 CB LYS A 367 -28.372 -18.198 12.754 1.00 57.37 A
 ATOM 2913 CG LYS A 367 -28.012 -18.227 14.210 1.00 48.38 A
 ATOM 2914 CD LYS A 367 -27.383 -16.938 14.673 1.00 48.38 A
 ATOM 2915 CE LYS A 367 -27.231 -16.964 16.188 1.00 48.38 A
 ATOM 2916 NZ LYS A 367 -26.923 -15.621 16.766 1.00 48.38 A
 ATOM 2917 C LYS A 367 -29.828 -19.045 10.925 1.00 52.02 A
 ATOM 2918 O LYS A 367 -29.123 -19.072 9.917 1.00 52.33 A
 ATOM 2919 N TRP A 368 -31.121 -18.751 10.902 1.00 49.37 A
 ATOM 2920 CA TRP A 368 -31.795 -18.371 9.665 1.00 49.43 A
 ATOM 2921 CB TRP A 368 -33.150 -19.074 9.534 1.00 78.05 A
 ATOM 2922 CG TRP A 368 -33.012 -20.530 9.290 1.00 57.97 A
 ATOM 2923 CD2 TRP A 368 -32.851 -21.176 8.020 1.00 57.97 A
 ATOM 2924 CE2 TRP A 368 -32.702 -22.556 8.270 1.00 57.97 A

ATOM 2925 CE3 TRP A 368 -32.816 -20.723 6.696 1.00 57.97 A
 ATOM 2926 CD1 TRP A 368 -32.956 -21.510 10.229 1.00 57.97 A
 ATOM 2927 NE1 TRP A 368 -32.771 -22.732 9.627 1.00 57.97 A
 ATOM 2928 CZ2 TRP A 368 -32.523 -23.492 7.241 1.00 57.97 A
 ATOM 2929 CZ3 TRP A 368 -32.637 -21.654 5.674 1.00 57.97 A
 ATOM 2930 CH2 TRP A 368 -32.493 -23.023 5.955 1.00 57.97 A
 ATOM 2931 C TRP A 368 -31.984 -16.858 9.654 1.00 51.38 A
 ATOM 2932 O TRP A 368 -32.695 -16.302 10.495 1.00 51.57 A
 ATOM 2933 N ILE A 369 -31.337 -16.203 8.694 1.00 58.14 A
 ATOM 2934 CA ILE A 369 -31.403 -14.752 8.577 1.00 59.51 A
 ATOM 2935 CB ILE A 369 -30.031 -14.142 8.879 1.00 58.11 A
 ATOM 2936 CG2 ILE A 369 -30.113 -12.649 8.829 1.00 35.79 A
 ATOM 2937 CG1 ILE A 369 -29.551 -14.606 10.257 1.00 35.79 A
 ATOM 2938 CD1 ILE A 369 -28.145 -14.203 10.577 1.00 35.79 A
 ATOM 2939 C ILE A 369 -31.840 -14.304 7.187 1.00 61.33 A
 ATOM 2940 O ILE A 369 -31.345 -14.815 6.181 1.00 58.13 A
 ATOM 2941 N GLU A 370 -32.768 -13.354 7.127 1.00 57.39 A
 ATOM 2942 CA GLU A 370 -33.234 -12.856 5.841 1.00 60.04 A
 ATOM 2943 CB GLU A 370 -34.318 -11.805 6.056 1.00 19.15 A
 ATOM 2944 CG GLU A 370 -35.654 -12.433 6.409 1.00 97.79 A
 ATOM 2945 CD GLU A 370 -36.680 -11.427 6.882 1.00 97.79 A
 ATOM 2946 OE1 GLU A 370 -36.853 -10.386 6.211 1.00 97.79 A
 ATOM 2947 OE2 GLU A 370 -37.325 -11.682 7.923 1.00 97.79 A
 ATOM 2948 C GLU A 370 -32.032 -12.288 5.090 1.00 60.22 A
 ATOM 2949 O GLU A 370 -31.247 -11.528 5.657 1.00 59.07 A
 ATOM 2950 N SER A 371 -31.884 -12.669 3.822 1.00 67.72 A
 ATOM 2951 CA SER A 371 -30.749 -12.228 3.005 1.00 68.26 A
 ATOM 2952 CB SER A 371 -30.831 -12.857 1.616 1.00 73.06 A
 ATOM 2953 OG SER A 371 -32.040 -12.499 0.982 1.00 62.14 A
 ATOM 2954 C SER A 371 -30.547 -10.718 2.862 1.00 67.53 A
 ATOM 2955 O SER A 371 -29.433 -10.264 2.581 1.00 68.47 A
 ATOM 2956 N GLU A 372 -31.612 -9.942 3.040 1.00 57.96 A
 ATOM 2957 CA GLU A 372 -31.503 -8.490 2.930 1.00 56.51 A
 ATOM 2958 CB GLU A 372 -32.838 -7.824 3.264 1.00 105.79 A
 ATOM 2959 CG GLU A 372 -33.351 -8.161 4.647 1.00 105.79 A
 ATOM 2960 CD GLU A 372 -34.483 -7.256 5.091 1.00 105.79 A
 ATOM 2961 OE1 GLU A 372 -34.240 -6.038 5.227 1.00 105.79 A
 ATOM 2962 OE2 GLU A 372 -35.611 -7.760 5.308 1.00 105.79 A
 ATOM 2963 C GLU A 372 -30.426 -7.969 3.883 1.00 61.12 A
 ATOM 2964 O GLU A 372 -29.654 -7.071 3.545 1.00 62.19 A
 ATOM 2965 N HIS A 373 -30.373 -8.554 5.072 1.00 60.93 A
 ATOM 2966 CA HIS A 373 -29.417 -8.149 6.090 1.00 64.42 A
 ATOM 2967 CB HIS A 373 -29.733 -8.862 7.392 1.00 97.69 A
 ATOM 2968 CG HIS A 373 -31.083 -8.531 7.928 1.00 67.04 A
 ATOM 2969 CD2 HIS A 373 -32.124 -9.322 8.278 1.00 67.04 A
 ATOM 2970 ND1 HIS A 373 -31.486 -7.235 8.163 1.00 67.04 A
 ATOM 2971 CE1 HIS A 373 -32.719 -7.241 8.638 1.00 67.04 A
 ATOM 2972 NE2 HIS A 373 -33.130 -8.495 8.717 1.00 67.04 A
 ATOM 2973 C HIS A 373 -27.950 -8.356 5.744 1.00 60.19 A
 ATOM 2974 O HIS A 373 -27.072 -7.904 6.476 1.00 56.03 A
 ATOM 2975 N PHE A 374 -27.669 -9.041 4.647 1.00 52.21 A
 ATOM 2976 CA PHE A 374 -26.279 -9.240 4.278 1.00 52.98 A
 ATOM 2977 CB PHE A 374 -26.054 -10.665 3.780 1.00 76.24 A
 ATOM 2978 CG PHE A 374 -26.087 -11.680 4.873 1.00 56.42 A
 ATOM 2979 CD1 PHE A 374 -27.296 -12.173 5.350 1.00 56.42 A
 ATOM 2980 CD2 PHE A 374 -24.909 -12.090 5.486 1.00 56.42 A
 ATOM 2981 CE1 PHE A 374 -27.334 -13.055 6.424 1.00 56.42 A
 ATOM 2982 CE2 PHE A 374 -24.935 -12.965 6.557 1.00 56.42 A
 ATOM 2983 CZ PHE A 374 -26.154 -13.449 7.027 1.00 56.42 A
 ATOM 2984 C PHE A 374 -25.827 -8.228 3.235 1.00 49.06 A
 ATOM 2985 O PHE A 374 -24.734 -8.345 2.676 1.00 47.30 A
 ATOM 2986 N LYS A 375 -26.671 -7.226 2.998 1.00 71.42 A
 ATOM 2987 CA LYS A 375 -26.391 -6.175 2.027 1.00 74.05 A
 ATOM 2988 CB LYS A 375 -25.816 -4.945 2.734 1.00 102.17 A
 ATOM 2989 CG LYS A 375 -26.842 -4.047 3.412 1.00 95.61 A
 ATOM 2990 CD LYS A 375 -27.460 -4.687 4.643 1.00 95.61 A
 ATOM 2991 CE LYS A 375 -28.411 -3.715 5.355 1.00 95.61 A
 ATOM 2992 NZ LYS A 375 -29.075 -4.316 6.554 1.00 95.61 A
 ATOM 2993 C LYS A 375 -25.450 -6.591 0.892 1.00 79.07 A
 ATOM 2994 O LYS A 375 -24.417 -5.961 0.679 1.00 81.33 A
 ATOM 2995 N GLY A 376 -25.794 -7.657 0.174 1.00 67.39 A
 ATOM 2996 CA GLY A 376 -24.962 -8.088 -0.937 1.00 67.39 A
 ATOM 2997 C GLY A 376 -23.766 -8.979 -0.653 1.00 67.39 A
 ATOM 2998 O GLY A 376 -23.393 -9.780 -1.507 1.00 67.39 A
 ATOM 2999 N GLU A 377 -23.147 -8.843 0.517 1.00 79.80 A
 ATOM 3000 CA GLU A 377 -21.994 -9.671 0.859 1.00 79.80 A
 ATOM 3001 CB GLU A 377 -20.909 -8.827 1.523 1.00 102.70 A
 ATOM 3002 CG GLU A 377 -19.584 -9.546 1.673 1.00 102.70 A
 ATOM 3003 CD GLU A 377 -18.513 -8.668 2.290 1.00 102.70 A
 ATOM 3004 OE1 GLU A 377 -17.343 -9.109 2.322 1.00 102.70 A
 ATOM 3005 OE2 GLU A 377 -18.842 -7.544 2.743 1.00 102.70 A
 ATOM 3006 C GLU A 377 -22.437 -10.771 1.809 1.00 79.80 A
 ATOM 3007 O GLU A 377 -22.900 -10.491 2.922 1.00 79.80 A
 ATOM 3008 N TYR A 378 -22.300 -12.022 1.373 1.00 55.39 A
 ATOM 3009 CA TYR A 378 -22.703 -13.162 2.204 1.00 55.39 A

65251/C766

1	ATOM 3010 CB TYR A 378	-23.253	-14.275	1.319	1.00	77.89	A	ATOM 3095 N PRO A 387	-31.072	-9.626	12.887	1.00	60.30	A
	ATOM 3011 CG TYR A 378	-24.570	-13.897	0.701	1.00	77.89	A	ATOM 3096 CD PRO A 387	-31.253	-8.503	11.954	1.00	77.61	A
	ATOM 3012 CD1 TYR A 378	-24.631	-13.320	-0.566	1.00	77.89	A	ATOM 3097 CA PRO A 387	-32.367	-10.122	13.379	1.00	60.30	A
	ATOM 3013 CE1 TYR A 378	-25.847	-12.889	-1.102	1.00	77.89	A	ATOM 3098 CB PRO A 387	-33.366	-9.325	12.555	1.00	77.61	A
	ATOM 3014 CD2 TYR A 378	-25.754	-14.040	1.416	1.00	77.89	A	ATOM 3099 CG PRO A 387	-32.636	-8.032	12.305	1.00	77.61	A
	ATOM 3015 CE2 TYR A 378	-26.968	-13.614	0.893	1.00	77.89	A	ATOM 3100 C PRO A 387	-32.309	-11.597	12.950	1.00	60.30	A
	ATOM 3016 CZ TYR A 378	-27.010	-13.037	-0.362	1.00	77.89	A	ATOM 3101 O PRO A 387	-31.731	-11.885	11.892	1.00	60.30	A
	ATOM 3017 OH TYR A 378	-28.206	-12.577	-0.859	1.00	77.89	A	ATOM 3102 N GLU A 388	-32.884	-12.538	13.696	1.00	90.02	A
	ATOM 3018 C TYR A 378	-21.647	-13.730	3.159	1.00	55.39	A	ATOM 3103 CA GLU A 388	-32.691	-13.907	13.244	1.00	90.02	A
5	ATOM 3019 O TYR A 378	-21.184	-14.862	3.002	1.00	55.39	A	ATOM 3104 CB GLU A 388	-31.507	-14.505	14.002	1.00	145.71	A
	ATOM 3020 N LYS A 379	-21.276	-12.910	4.140	1.00	51.86	A	ATOM 3105 CG GLU A 388	-31.766	-14.748	15.469	1.00	145.71	A
	ATOM 3021 CA LYS A 379	-20.315	-13.253	5.179	1.00	51.86	A	ATOM 3106 CD GLU A 388	-30.683	-15.590	16.103	1.00	145.71	A
	ATOM 3022 CB LYS A 379	-18.986	-12.518	4.982	1.00	79.55	A	ATOM 3107 OE1 GLU A 388	-30.463	-16.723	15.624	1.00	145.71	A
	ATOM 3023 CG LYS A 379	-18.199	-12.955	3.761	1.00	79.55	A	ATOM 3108 OE2 GLU A 388	-30.053	-15.123	17.076	1.00	145.71	A
	ATOM 3024 CD LYS A 379	-16.913	-12.143	3.631	1.00	79.55	A	ATOM 3109 C GLU A 388	-33.755	-14.993	13.140	1.00	90.02	A
	ATOM 3025 CE LYS A 379	-16.187	-12.413	2.309	1.00	79.55	A	ATOM 3110 O GLU A 388	-33.392	-16.164	13.088	1.00	90.02	A
	ATOM 3026 NZ LYS A 379	-15.028	-11.485	2.126	1.00	79.55	A	ATOM 3111 N TRP A 389	-35.040	-14.672	13.092	1.00	86.89	A
	ATOM 3027 C LYS A 379	-20.964	-12.802	6.478	1.00	51.86	A	ATOM 3112 CA TRP A 389	-36.025	-15.753	12.960	1.00	86.89	A
	ATOM 3028 O LYS A 379	-21.595	-11.746	6.534	1.00	51.86	A	ATOM 3113 CB TRP A 389	-35.894	-16.421	11.584	1.00	120.30	A
	ATOM 3029 N TYR A 380	-20.851	-13.623	7.511	1.00	41.61	A	ATOM 3114 CG TRP A 389	-36.839	-15.943	10.529	1.00	120.30	A
10	ATOM 3030 CA TYR A 380	-21.412	-13.279	8.812	1.00	41.61	A	ATOM 3115 CD2 TRP A 389	-37.961	-15.063	10.700	1.00	120.30	A
	ATOM 3031 CB TYR A 380	-21.767	-14.555	9.566	1.00	45.19	A	ATOM 3116 CE2 TRP A 389	-38.579	-14.928	9.436	1.00	120.30	A
	ATOM 3032 CG TYR A 380	-22.458	-14.322	10.875	1.00	45.19	A	ATOM 3117 CE3 TRP A 389	-38.508	-14.377	11.798	1.00	120.30	A
	ATOM 3033 CD1 TYR A 380	-23.840	-14.150	10.929	1.00	45.19	A	ATOM 3118 CD1 TRP A 389	-36.825	-16.292	9.207	1.00	120.30	A
	ATOM 3034 CE1 TYR A 380	-24.493	-13.930	12.154	1.00	45.19	A	ATOM 3119 NE1 TRP A 389	-37.865	-15.688	8.545	1.00	120.30	A
	ATOM 3035 CD2 TYR A 380	-21.731	-14.265	12.070	1.00	45.19	A	ATOM 3120 CZ2 TRP A 389	-39.718	-14.133	9.239	1.00	120.30	A
	ATOM 3036 CE2 TYR A 380	-22.365	-14.042	13.294	1.00	45.19	A	ATOM 3121 CZ3 TRP A 389	-39.640	-13.588	11.602	1.00	120.30	A
	ATOM 3037 CZ TYR A 380	-23.746	-13.878	13.332	1.00	45.19	A	ATOM 3122 CH2 TRP A 389	-40.231	-13.474	10.331	1.00	120.30	A
	ATOM 3038 OH TYR A 380	-24.386	-13.691	14.537	1.00	45.19	A	ATOM 3123 C TRP A 389	-35.830	-16.834	14.025	1.00	86.89	A
	ATOM 3039 C TYR A 380	-20.321	-12.503	9.569	1.00	41.61	A	ATOM 3124 O TRP A 389	-35.380	-17.935	13.708	1.00	86.89	A
	ATOM 3040 O TYR A 380	-19.291	-13.073	9.914	1.00	41.61	A	ATOM 3125 N GLY A 390	-36.168	-16.535	15.276	1.00	67.69	A
15	ATOM 3041 N VAL A 381	-20.534	-11.209	9.800	1.00	48.85	A	ATOM 3126 CA GLY A 390	-35.996	-17.517	16.332	1.00	67.69	A
	ATOM 3042 CA VAL A 381	-19.547	-10.391	10.502	1.00	48.85	A	ATOM 3127 C GLY A 390	-36.844	-18.769	16.173	1.00	67.69	A
	ATOM 3043 CB VAL A 381	-19.708	-8.910	10.134	1.00	58.85	A	ATOM 3128 O GLY A 390	-37.884	-18.738	15.515	1.00	67.69	A
	ATOM 3044 CG1 VAL A 381	-18.612	-8.090	10.784	1.00	58.85	A	ATOM 3129 N ARG A 391	-36.388	-19.876	16.761	1.00	80.78	A
	ATOM 3045 CG2 VAL A 381	-19.668	-8.755	8.628	1.00	58.85	A	ATOM 3130 CA ARG A 391	-37.113	-21.146	16.708	1.00	80.78	A
	ATOM 3046 C VAL A 381	-19.688	-10.558	12.014	1.00	48.85	A	ATOM 3131 CB ARG A 391	-36.124	-22.323	16.715	1.00	92.91	A
	ATOM 3047 O VAL A 381	-20.750	-10.278	12.582	1.00	48.85	A	ATOM 3132 CG ARG A 391	-35.131	-22.323	15.543	1.00	92.91	A
	ATOM 3048 N ASN A 382	-18.605	-10.987	12.654	1.00	82.89	A	ATOM 3133 CD ARG A 391	-35.577	-23.210	14.362	1.00	92.91	A
	ATOM 3049 CA ASN A 382	-18.609	-11.247	14.082	1.00	82.89	A	ATOM 3134 NE ARG A 391	-35.085	-24.590	14.458	1.00	92.91	A
	ATOM 3050 CB ASN A 382	-17.193	-11.275	14.627	1.00	52.29	A	ATOM 3135 CZ ARG A 391	-35.592	-25.535	15.256	1.00	92.91	A
	ATOM 3051 CG ASN A 382	-17.074	-12.132	15.892	1.00	52.29	A	ATOM 3136 NHI ARG A 391	-36.628	-25.269	16.045	1.00	92.91	A
20	ATOM 3052 OD1 ASN A 382	-18.008	-12.220	16.703	1.00	52.29	A	ATOM 3137 NH2 ARG A 391	-35.054	-26.750	15.271	1.00	92.91	A
	ATOM 3053 ND2 ASN A 382	-15.918	-12.754	16.069	1.00	52.29	A	ATOM 3138 C ARG A 391	-37.996	-21.177	17.955	1.00	80.78	A
	ATOM 3054 C ASN A 382	-19.442	-10.320	14.955	1.00	82.89	A	ATOM 3139 O ARG A 391	-37.832	-20.346	18.844	1.00	80.78	A
	ATOM 3055 O ASN A 382	-20.564	-10.666	15.361	1.00	82.89	A	ATOM 3140 N LYS A 392	-38.938	-22.111	18.022	1.00	85.60	A
	ATOM 3056 N GLY A 383	-18.913	-9.144	15.256	1.00	40.80	A	ATOM 3141 CA LYS A 392	-39.815	-22.193	19.191	1.00	85.60	A
	ATOM 3057 CA GLY A 383	-19.667	-8.261	16.130	1.00	40.80	A	ATOM 3142 CB LYS A 392	-41.287	-22.188	18.765	1.00	115.61	A
	ATOM 3058 C GLY A 383	-20.929	-7.605	15.588	1.00	40.80	A	ATOM 3143 CG LYS A 392	-42.256	-22.271	19.932	1.00	115.61	A
	ATOM 3059 O GLY A 383	-21.559	-6.819	16.293	1.00	40.80	A	ATOM 3144 CD LYS A 392	-43.683	-22.497	19.467	1.00	115.61	A
	ATOM 3060 N ARG A 384	-21.320	-7.913	14.358	1.00	44.79	A	ATOM 3145 CE LYS A 392	-44.609	-22.743	20.656	1.00	115.61	A
	ATOM 3061 CA ARG A 384	-22.498	-7.279	13.780	1.00	44.79	A	ATOM 3146 NZ LYS A 392	-45.984	-23.146	20.237	1.00	115.61	A
	ATOM 3062 CB ARG A 384	-22.444	-7.408	12.268	1.00	58.07	A	ATOM 3147 C LYS A 392	-39.528	-23.449	20.012	1.00	85.60	A
	ATOM 3063 CG ARG A 384	-23.501	-6.609	11.541	1.00	58.07	A	ATOM 3148 O LYS A 392	-39.740	-24.568	19.543	1.00	85.60	A
25	ATOM 3064 CD ARG A 384	-23.134	-6.510	10.077	1.00	58.07	A	ATOM 3149 N SER A 393	-39.047	-23.257	21.238	1.00	52.25	A
	ATOM 3065 NE ARG A 384	-21.847	-5.850	9.920	1.00	58.07	A	ATOM 3150 CA SER A 393	-38.724	-24.374	22.124	1.00	52.25	A
	ATOM 3066 CZ ARG A 384	-21.187	-5.751	8.770	1.00	58.07	A	ATOM 3151 CB SER A 393	-37.406	-25.035	21.693	1.00	62.14	A
	ATOM 3067 NHI ARG A 384	-21.691	-6.276	7.668	1.00	58.07	A	ATOM 3152 OG SER A 393	-37.045	-26.085	22.570	1.00	62.14	A
	ATOM 3068 NH2 ARG A 384	-20.021	-5.117	8.714	1.00	58.07	A	ATOM 3153 C SER A 393	-38.597	-23.873	23.547	1.00	52.25	A
	ATOM 3069 C ARG A 384	-23.818	-7.807	14.285	1.00	44.79	A	ATOM 3154 O SER A 393	-38.370	-22.692	23.758	1.00	52.25	A
	ATOM 3070 O ARG A 384	-23.924	-8.984	14.619	1.00	44.79	A	ATOM 3155 N ASN A 394	-38.763	-24.760	24.523	1.00	68.20	A
	ATOM 3071 N TYR A 385	-24.823	-6.939	14.347	1.00	56.08	A	ATOM 3156 CA ASN A 394	-38.628	-24.359	25.918	1.00	68.20	A
	ATOM 3072 CA TYR A 385	-26.146	-7.343	14.801	1.00	56.08	A	ATOM 3157 CB ASN A 394	-39.246	-25.398	26.840	1.00	71.51	A
	ATOM 3073 CB TYR A 385	-26.897	-6.147	15.380	1.00	63.99	A	ATOM 3158 CG ASN A 394	-40.739	-25.409	26.760	1.00	71.51	A
	ATOM 3074 CG TYR A 385	-28.339	-6.465	15.676	1.00	63.99	A	ATOM 3159 OD1 ASN A 394	-41.377	-24.363	26.856	1.00	71.51	A
30	ATOM 3075 CD1 TYR A 385	-28.692	-7.230	16.788	1.00	63.99	A	ATOM 3160 ND2 ASN A 394	-41.316	-26.594	26.590	1.00	71.51	A
	ATOM 3076 CE1 TYR A 385	-30.013	-7.592	17.022	1.00	63.99	A	ATOM 3161 C ASN A 394	-37.152	-24.199	26.246	1.00	68.20	A
	ATOM 3077 CD2 TYR A 385	-29.346	-6.066	14.806	1.00	63.99	A	ATOM 3162 O ASN A 394	-36.779	-23.571	27.237	1.00	68.20	A
	ATOM 3078 CE2 TYR A 385	-30.669	-6.421	15.024	1.00	63.99	A	ATOM 3163 N TYR A 395	-36.317	-24.780	25.398	1.00	42.39	A
	ATOM 3079 CZ TYR A 385	-30.999	-7.182	16.130	1.00	63.99	A	ATOM 3164 CA TYR A 395	-34.885	-24.705	25.569	1.00	42.39	A
	ATOM 3080 OH TYR A 385	-32.318	-7.532	16.337	1.00	63.99	A	ATOM 3165 CB TYR A 395	-34.239	-26.044	25.190	1.00	51.81	A
	ATOM 3081 C TYR A 385	-26.966	-7.930	13.644	1.00	56.08	A	ATOM 3166 CG TYR A 395	-34.626	-27.196	26.075	1.00	51.81	A
	ATOM 3082 O TYR A 385	-26.867	-7.448	12.516	1.00	56.08	A	ATOM 3167 CD1 TYR A 395	-35.676	-28.036	25.734	1.00	51.81	A
	ATOM 3083 N TYR A 386	-27.770	-8.961	13.919	1.00	67.96	A	ATOM 3168 CE1 TYR A 395	-36.052	-29.098	26.567	1.00	51.81	A
	ATOM 3084 CA TYR A 386	-28.618	-9.570	12.891	1.00	67.96	A	ATOM 3169 CD2 TYR A 395	-33.951	-27.436	27.272	1.00	51.81	A
	ATOM 3085 CB TYR A 386	-27.959	-10.791	12.241	1.00	44.87	A	ATOM 3170 CE2 TYR A 395	-34.318	-28.489	28.111	1.00	51.81	A
	ATOM 3086 CG TYR A 386	-26.677	-10.567											

65251/C766

1	ATOM 3180 OE1 GLU A 396	-31.219 -19.998 27.796 1.00 93.62	A	ATOM 3265 CB LYS A 407	-28.586 -39.075 13.007 1.00139.14	A
	ATOM 3181 OE2 GLU A 396	-32.675 -18.396 27.411 1.00 93.62	A	ATOM 3266 CG LYS A 407	-30.074 -38.831 13.142 1.00125.24	A
	ATOM 3182 C GLU A 396	-31.369 -22.725 23.513 1.00 49.24	A	ATOM 3267 CD LYS A 407	-30.858 -39.750 12.211 1.00125.24	A
	ATOM 3183 O GLU A 396	-30.709 -23.573 24.103 1.00 49.24	A	ATOM 3268 CE LYS A 407	-32.348 -39.435 12.227 1.00125.24	A
	ATOM 3184 N PRO A 397	-31.120 -22.396 22.234 1.00 70.01	A	ATOM 3269 NZ LYS A 407	-32.636 -38.085 11.663 1.00125.24	A
	ATOM 3185 CD PRO A 397	-31.727 -21.359 21.387 1.00 42.82	A	ATOM 3270 C LYS A 407	-26.269 -38.660 13.774 1.00 56.89	A
	ATOM 3186 CA PRO A 397	-30.014 -23.060 21.531 1.00 70.01	A	ATOM 3271 O LYS A 407	-25.653 -38.002 12.929 1.00 55.83	A
	ATOM 3187 CB PRO A 397	-29.940 -22.310 20.205 1.00 42.82	A	ATOM 3272 N LYS A 408	-25.699 -39.616 14.493 1.00 59.27	A
	ATOM 3188 CG PRO A 397	-30.575 -20.985 20.511 1.00 42.82	A	ATOM 3273 CA LYS A 408	-24.312 -39.971 14.242 1.00 58.86	A
5	ATOM 3189 C PRO A 397	-28.731 -22.965 22.350 1.00 70.01	A	ATOM 3274 CB LYS A 408	-23.758 -40.797 15.397 1.00 62.76	A
	ATOM 3190 O PRO A 397	-28.394 -21.898 22.868 1.00 70.01	A	ATOM 3275 CG LYS A 408	-22.283 -41.059 15.270 1.00 61.56	A
	ATOM 3191 N GLY A 398	-28.022 -24.085 22.468 1.00 45.61	A	ATOM 3276 CD LYS A 408	-21.716 -41.624 16.545 1.00 61.56	A
	ATOM 3192 CA GLY A 398	-26.820 -24.107 23.280 1.00 45.61	A	ATOM 3277 CE LYS A 408	-20.214 -41.818 16.432 1.00 61.56	A
	ATOM 3193 C GLY A 398	-27.024 -25.100 24.425 1.00 45.61	A	ATOM 3278 NZ LYS A 408	-19.634 -42.273 17.724 1.00 61.56	A
	ATOM 3194 O GLY A 398	-26.104 -25.842 24.795 1.00 45.61	A	ATOM 3279 C LYS A 408	-24.349 -40.799 12.958 1.00 58.99	A
	ATOM 3195 N GLU A 399	-28.231 -25.113 24.990 1.00 45.24	A	ATOM 3280 O LYS A 408	-24.823 -41.926 12.959 1.00 57.56	A
	ATOM 3196 CA GLU A 399	-28.570 -26.045 26.067 1.00 45.24	A	ATOM 3281 N ASP A 409	-23.871 -40.245 11.853 1.00 90.73	A
	ATOM 3197 CB GLU A 399	-29.898 -25.648 26.739 1.00 41.49	A	ATOM 3282 CA ASP A 409	-23.946 -41.000 10.621 1.00 90.91	A
	ATOM 3198 CG GLU A 399	-29.951 -24.212 27.228 1.00 41.49	A	ATOM 3283 CB ASP A 409	-23.548 -40.127 9.407 1.00 95.50	A
	ATOM 3199 CD GLU A 399	-31.250 -23.839 27.959 1.00 41.49	A	ATOM 3284 CG ASP A 409	-22.283 -39.321 9.633 1.00 88.32	A
10	ATOM 3200 OE1 GLU A 399	-32.337 -24.196 27.471 1.00 41.49	A	ATOM 3285 OD1 ASP A 409	-21.286 -39.894 10.113 1.00 88.32	A
	ATOM 3201 OE2 GLU A 399	-31.196 -23.165 29.016 1.00 41.49	A	ATOM 3286 OD2 ASP A 409	-22.281 -38.117 9.309 1.00 88.32	A
	ATOM 3202 C GLU A 399	-28.726 -27.413 25.402 1.00 45.24	A	ATOM 3287 C ASP A 409	-23.170 -42.318 10.653 1.00 90.82	A
	ATOM 3203 O GLU A 399	-29.330 -27.514 24.333 1.00 45.24	A	ATOM 3288 O ASP A 409	-22.346 -42.554 11.541 1.00 94.55	A
	ATOM 3204 N PRO A 400	-28.174 -28.481 26.006 1.00 54.38	A	ATOM 3289 N LYS A 410	-23.496 -43.173 9.683 1.00142.87	A
	ATOM 3205 CD PRO A 400	-27.347 -28.596 27.219 1.00 41.05	A	ATOM 3290 CA LYS A 410	-22.906 -44.494 9.492 1.00149.31	A
	ATOM 3206 CA PRO A 400	-28.334 -29.785 25.356 1.00 49.46	A	ATOM 3291 CB LYS A 410	-22.853 -44.816 7.987 1.00178.05	A
	ATOM 3207 CB PRO A 400	-27.629 -30.754 26.316 1.00 89.66	A	ATOM 3292 CG LYS A 410	-21.866 -43.979 7.167 1.00117.50	A
	ATOM 3208 CG PRO A 400	-27.585 -30.031 27.616 1.00 41.05	A	ATOM 3293 CD LYS A 410	-22.341 -42.544 6.975 1.00117.50	A
	ATOM 3209 C PRO A 400	-29.784 -30.167 25.054 1.00 40.21	A	ATOM 3294 CE LYS A 410	-21.316 -41.718 6.204 1.00117.50	A
	ATOM 3210 O PRO A 400	-30.047 -30.994 24.173 1.00 40.42	A	ATOM 3295 NZ LYS A 410	-21.761 -40.309 6.013 1.00117.50	A
	ATOM 3211 N GLY A 401	-30.727 -29.536 25.746 1.00 58.91	A	ATOM 3296 C LYS A 410	-21.516 -44.686 10.096 1.00148.13	A
15	ATOM 3212 CA GLY A 401	-32.126 -29.844 25.517 1.00 58.47	A	ATOM 3297 O LYS A 410	-20.765 -43.730 10.248 1.00147.66	A
	ATOM 3213 C GLY A 401	-32.723 -29.315 24.222 1.00 58.26	A	ATOM 3298 N ASP A 411	-21.186 -45.934 10.426 1.00 63.58	A
	ATOM 3214 O GLY A 401	-33.846 -29.675 23.870 1.00 58.97	A	ATOM 3299 CA ASP A 411	-19.892 -46.304 11.003 1.00 61.09	A
	ATOM 3215 N PHE A 402	-31.996 -28.464 23.505 1.00 54.00	A	ATOM 3300 CB ASP A 411	-19.407 -47.634 10.425 1.00157.67	A
	ATOM 3216 CA PHE A 402	-32.513 -27.915 22.264 1.00 54.00	A	ATOM 3301 CG ASP A 411	-19.899 -48.815 11.219 1.00157.67	A
	ATOM 3217 CB PHE A 402	-31.627 -26.784 21.771 1.00155.44	A	ATOM 3302 OD1 ASP A 411	-19.735 -48.804 12.459 1.00157.67	A
	ATOM 3218 CG PHE A 402	-32.323 -25.866 20.833 1.00 53.77	A	ATOM 3303 OD2 ASP A 411	-20.443 -49.756 10.611 1.00157.67	A
	ATOM 3219 CD1 PHE A 402	-33.249 -24.944 21.308 1.00 53.77	A	ATOM 3304 C ASP A 411	-18.791 -45.277 10.833 1.00 62.70	A
	ATOM 3220 CD2 PHE A 402	-32.114 -25.960 19.467 1.00 53.77	A	ATOM 3305 O ASP A 411	-17.944 -45.397 9.940 1.00 66.88	A
	ATOM 3221 CE1 PHE A 402	-33.962 -24.130 20.432 1.00 53.77	A	ATOM 3306 N ALA A 412	-18.809 -44.272 11.707 1.00 78.94	A
20	ATOM 3222 CE2 PHE A 402	-32.823 -25.148 18.581 1.00 53.77	A	ATOM 3307 CA ALA A 412	-17.822 -43.193 11.696 1.00 91.96	A
	ATOM 3223 CZ PHE A 402	-33.750 -24.233 19.070 1.00 53.77	A	ATOM 3308 CB ALA A 412	-18.022 -42.299 10.477 1.00 95.81	A
	ATOM 3224 C PHE A 402	-32.602 -28.997 21.191 1.00 54.00	A	ATOM 3309 C ALA A 412	-17.945 -42.367 12.968 1.00 86.66	A
	ATOM 3225 O PHE A 402	-31.628 -29.711 20.936 1.00 54.00	A	ATOM 3310 O ALA A 412	-18.876 -42.548 13.748 1.00 81.71	A
	ATOM 3226 N PRO A 403	-33.770 -29.120 20.537 1.00 72.10	A	ATOM 3311 N ASN A 413	-16.999 -41.461 13.174 1.00 60.96	A
	ATOM 3227 CD PRO A 403	-34.949 -28.281 20.783 1.00 43.72	A	ATOM 3312 CA ASN A 413	-17.004 -40.607 14.356 1.00 53.77	A
	ATOM 3228 CA PRO A 403	-34.057 -30.099 19.481 1.00 72.10	A	ATOM 3313 CB ASN A 413	-15.570 -40.238 14.743 1.00 71.39	A
	ATOM 3229 CB PRO A 403	-35.561 -29.952 19.257 1.00148.55	A	ATOM 3314 CG ASN A 413	-14.741 -41.438 15.077 1.00 71.39	A
	ATOM 3230 CG PRO A 403	-36.046 -29.243 20.471 1.00 43.72	A	ATOM 3315 OD1 ASN A 413	-15.209 -42.347 15.760 1.00 71.39	A
	ATOM 3231 C PRO A 403	-33.302 -29.854 18.181 1.00 72.10	A	ATOM 3316 ND2 ASN A 413	-13.496 -41.452 14.614 1.00 71.39	A
	ATOM 3232 O PRO A 403	-33.675 -28.982 17.398 1.00 72.10	A	ATOM 3317 C ASN A 413	-17.780 -39.317 14.113 1.00 58.35	A
	ATOM 3233 N TRP A 404	-32.238 -30.609 17.951 1.00 60.41	A	ATOM 3318 O ASN A 413	-18.113 -38.588 15.041 1.00 58.04	A
25	ATOM 3234 CA TRP A 404	-31.483 -30.483 16.713 1.00 60.41	A	ATOM 3319 N THR A 414	-18.060 -39.050 12.848 1.00 51.95	A
	ATOM 3235 CB TRP A 404	-30.011 -30.131 16.978 1.00 55.04	A	ATOM 3320 CA THR A 414	-18.733 -37.842 12.435 1.00 54.99	A
	ATOM 3236 CG TRP A 404	-29.746 -28.703 17.376 1.00 48.28	A	ATOM 3321 CB THR A 414	-18.362 -37.556 10.972 1.00107.11	A
	ATOM 3237 CD2 TRP A 404	-30.001 -27.522 16.600 1.00 48.28	A	ATOM 3322 OG1 THR A 414	-19.031 -36.377 10.542 1.00 77.60	A
	ATOM 3238 CE2 TRP A 404	-29.553 -26.422 17.360 1.00 48.28	A	ATOM 3323 CG2 THR A 414	-18.737 -38.718 10.074 1.00 77.60	A
	ATOM 3239 CE3 TRP A 404	-30.565 -27.288 15.339 1.00 48.28	A	ATOM 3324 C THR A 414	-20.255 -37.848 12.647 1.00 54.45	A
	ATOM 3240 CD1 TRP A 404	-29.177 -28.278 18.534 1.00 48.28	A	ATOM 3325 O THR A 414	-20.841 -38.892 12.928 1.00 55.52	A
	ATOM 3241 NE1 TRP A 404	-29.056 -26.915 18.535 1.00 48.28	A	ATOM 3326 N TYR A 415	-20.875 -36.668 12.557 1.00 42.73	A
	ATOM 3242 CZ2 TRP A 404	-29.649 -25.100 16.903 1.00 48.28	A	ATOM 3327 CA TYR A 415	-22.327 -36.507 12.733 1.00 43.76	A
	ATOM 3243 CZ3 TRP A 404	-30.664 -25.965 14.883 1.00 48.28	A	ATOM 3328 CB TYR A 415	-22.658 -35.755 14.021 1.00 75.45	A
	ATOM 3244 CH2 TRP A 404	-30.207 -24.892 15.667 1.00 48.28	A	ATOM 3329 CG TYR A 415	-22.299 -36.470 15.288 1.00 42.39	A
30	ATOM 3245 C TRP A 404	-31.575 -31.857 16.069 1.00 60.41	A	ATOM 3330 CD1 TYR A 415	-20.966 -36.667 15.646 1.00 42.39	A
	ATOM 3246 O TRP A 404	-31.326 -32.867 16.723 1.00 60.41	A	ATOM 3331 CE1 TYR A 415	-20.624 -37.358 16.804 1.00 42.39	A
	ATOM 3247 N ASN A 405	-31.939 -31.906 14.794 1.00 73.15	A	ATOM 3332 CD2 TYR A 415	-23.286 -36.976 16.120 1.00 42.39	A
	ATOM 3248 CA ASN A 405	-32.045 -33.186 14.122 1.00 73.15	A	ATOM 3333 CE2 TYR A 415	-22.959 -37.668 17.281 1.00 42.39	A
	ATOM 3249 CB ASN A 405	-32.924 -33.048 12.888 1.00 77.59	A	ATOM 3334 CZ TYR A 415	-21.629 -37.856 17.616 1.00 42.39	A
	ATOM 3250 CG ASN A 405	-33.515 -34.359 12.461 1.00 77.59	A	ATOM 3335 OH TYR A 415	-21.303 -38.542 18.768 1.00 42.39	A
	ATOM 3251 OD1 ASN A 405	-32.817 -35.246 11.972 1.00 77.59	A	ATOM 3336 C TYR A 415	-22.947 -35.718 11.586 1.00 51.32	A
	ATOM 3252 ND2 ASN A 405	-34.811 -34.500 12.655 1.00 77.59	A	ATOM 3337 O TYR A 415	-22.247 -35.023 10.843 1.00 45.97	A
	ATOM 3253 C ASN A 405	-30.653 -33.682 13.745 1.00 82.12	A	ATOM 3338 N SER A 416	-24.268 -35.812 11.458 1.00 52.16	A
	ATOM 3254 O ASN A 405	-30.229 -33.604 12.583 1.00 75.18	A	ATOM 3339 CA SER A 416	-24.987 -35.104 10.405 1.00 50.11	A
	ATOM 3255 N ILE A 406	-29.935 -34.176 14.750 1.00 59.66	A	ATOM 3340 CB SER A 416	-25.387 -36.058 9.275 1.00 79.92	A
35	ATOM 3256 CA ILE A 406	-28.589 -34.700 14.547 1.00 51.86	A	ATOM 3341 OG SER A 416	-24.272 -36.386 8.469 1.00 56.30	A
	ATOM 3257 CB ILE A 406	-27.582 -34.072 15.535 1.00 57.77	A	ATOM 3342 C SER A 416	-26.221 -34.427 10.977 1.00 56.30	A
	ATOM 3258 CG2 ILE A 406	-26.163 -34.520 15.214 1.00 45.39	A	ATOM 3343 O SER A 416	-26.807 -34.899 11.950 1.00 54.67	A
	ATOM 3259 CG1 ILE A 406	-27.646 -32.558 15.427 1.00 45.39	A	ATOM 3344 N LEU A 417	-26.615 -33.316 10.363 1.00 52.66	A
	ATOM 3260 CD1 ILE A 406	-26.615 -31.843 16.275 1.00 45.39	A	ATOM 3345 CA LEU A 417	-27.761 -32.545 10.820 1.00 51.56	A
	ATOM 3261 C ILE A 406	-28.588 -36.208 14.761 1.00 58.73	A	ATOM 3346 CB LEU A 417	-27.256 -31.317 11.566 1.00 96.95	A
	ATOM 3262 O ILE A 406	-29.267 -36.711 15.646 1.00 53.83	A	ATOM 3347 CG LEU A 417	-28.191 -30.110 11.561 1.00 55.06	A
	ATOM 3263 N LYS A 407	-27.837 -36.924 13.936 1.00 51.98	A			
	ATOM 3264 CA LYS A 407	-27.724 -38.368 14.053 1.00 47.58	A			

65251/C766

1	ATOM 3348 CD1 LEU A 417	-29.305 -30.329	12.570	1.00 55.06	A	ATOM 3433 OG SER A 428	-38.959 -8.432	4.253	1.00 94.88	A
	ATOM 3349 CD2 LEU A 417	-27.413 -28.858	11.884	1.00 55.06	A	ATOM 3434 C SER A 428	-38.146 -10.433	2.298	1.00130.52	A
	ATOM 3350 C LEU A 417	-28.679 -32.092	9.690	1.00 63.07	A	ATOM 3435 O SER A 428	-37.714 -9.445	1.702	1.00130.40	A
	ATOM 3351 O LEU A 417	-28.239 -31.876	8.552	1.00 58.17	A	ATOM 3436 N SER A 429	-37.450 -11.562	2.418	1.00145.26	A
	ATOM 3352 N THR A 418	-29.956 -31.936	10.020	1.00 55.85	A	ATOM 3437 CA SER A 429	-36.111 -11.689	1.841	1.00143.93	A
5	ATOM 3353 CA THR A 418	-30.950 -31.480	9.060	1.00 48.91	A	ATOM 3438 CB SER A 429	-35.075 -10.983	2.723	1.00 79.27	A
	ATOM 3354 CB THR A 418	-31.812 -32.638	8.545	1.00 88.31	A	ATOM 3439 OG SER A 429	-35.305 -9.591	2.786	1.00 79.27	A
	ATOM 3355 OG1 THR A 418	-31.029 -33.456	7.673	1.00 56.72	A	ATOM 3440 C SER A 429	-35.672 -13.132	1.655	1.00142.31	A
	ATOM 3356 CG2 THR A 418	-33.017 -32.117	7.790	1.00 56.72	A	ATOM 3441 O SER A 429	-34.645 -13.400	1.035	1.00131.01	A
	ATOM 3357 C THR A 418	-31.862 -30.482	9.739	1.00 64.10	A	ATOM 3442 N GLN A 430	-36.452 -14.061	2.186	1.00 80.04	A
10	ATOM 3358 O THR A 418	-32.590 -30.855	10.644	1.00 57.57	A	ATOM 3443 CA GLN A 430	-36.108 -15.474	2.100	1.00 80.04	A
	ATOM 3359 N ASP A 419	-31.827 -29.222	9.313	1.00 62.40	A	ATOM 3444 CB GLN A 430	-35.880 -15.917	0.658	1.00184.25	A
	ATOM 3360 CA ASP A 419	-32.677 -28.207	9.923	1.00 67.51	A	ATOM 3445 CG GLN A 430	-35.577 -17.397	0.563	1.00113.24	A
	ATOM 3361 CB ASP A 419	-31.828 -27.073	10.494	1.00102.78	A	ATOM 3446 CD GLN A 430	-35.303 -17.852	-0.847	1.00113.24	A
	ATOM 3362 CG ASP A 419	-32.613 -26.192	11.440	1.00 80.37	A	ATOM 3447 OE1 GLN A 430	-34.276 -17.510	-1.437	1.00113.24	A
15	ATOM 3363 OD1 ASP A 419	-33.290 -26.740	12.332	1.00 80.37	A	ATOM 3448 NE2 GLN A 430	-36.225 -18.628	-1.403	1.00113.24	A
	ATOM 3364 OD2 ASP A 419	-32.559 -24.956	11.305	1.00 80.37	A	ATOM 3449 C GLN A 430	-34.832 -15.683	2.894	1.00 80.04	A
	ATOM 3365 C ASP A 419	-33.677 -27.656	8.920	1.00 71.60	A	ATOM 3450 O GLN A 430	-33.762 -15.220	2.502	1.00 80.04	A
	ATOM 3366 O ASP A 419	-33.297 -27.158	7.863	1.00 66.49	A	ATOM 3451 N PRO A 431	-34.929 -16.403	4.019	1.00 65.69	A
	ATOM 3367 N LEU A 420	-34.958 -27.740	9.262	1.00 63.03	A	ATOM 3452 CD PRO A 431	-36.045 -17.259	4.457	1.00 68.90	A
20	ATOM 3368 CA LEU A 420	-36.033 -27.281	8.381	1.00 67.72	A	ATOM 3453 CA PRO A 431	-33.753 -16.642	4.846	1.00 65.68	A
	ATOM 3369 CB LEU A 420	-37.122 -28.356	8.317	1.00124.20	A	ATOM 3454 CB PRO A 431	-34.316 -17.451	6.006	1.00167.86	A
	ATOM 3370 CG LEU A 420	-38.081 -28.334	7.127	1.00 83.15	A	ATOM 3455 CG PRO A 431	-35.347 -18.276	5.335	1.00138.42	A
	ATOM 3371 CD1 LEU A 420	-37.295 -28.632	5.857	1.00 83.15	A	ATOM 3456 C PRO A 431	-32.631 -17.372	4.134	1.00 62.30	A
	ATOM 3372 CD2 LEU A 420	-39.182 -29.360	7.325	1.00 83.15	A	ATOM 3457 O PRO A 431	-32.838 -18.058	3.127	1.00 62.18	A
25	ATOM 3373 C LEU A 420	-36.646 -25.952	8.834	1.00 70.29	A	ATOM 3458 N VAL A 432	-31.438 -17.179	4.678	1.00 56.06	A
	ATOM 3374 O LEU A 420	-36.613 -25.623	10.015	1.00 69.61	A	ATOM 3459 CA VAL A 432	-30.227 -17.807	4.206	1.00 58.44	A
	ATOM 3375 N VAL A 421	-37.211 -25.194	7.897	1.00 79.01	A	ATOM 3460 CB VAL A 432	-29.194 -16.754	3.812	1.00 88.16	A
	ATOM 3376 CA VAL A 421	-37.820 -23.906	8.222	1.00 77.52	A	ATOM 3461 CG1 VAL A 432	-28.845 -15.885	4.997	1.00 60.24	A
	ATOM 3377 CB VAL A 421	-36.820 -22.750	8.020	1.00142.04	A	ATOM 3462 CG2 VAL A 432	-27.978 -17.427	3.287	1.00 60.24	A
30	ATOM 3378 CG1 VAL A 421	-37.510 -21.411	8.210	1.00 97.47	A	ATOM 3463 C VAL A 432	-29.772 -18.599	5.442	1.00 56.44	A
	ATOM 3379 CG2 VAL A 421	-35.700 -22.880	9.008	1.00 97.47	A	ATOM 3464 O VAL A 432	-30.049 -18.207	6.578	1.00 46.80	A
	ATOM 3380 C VAL A 421	-39.058 -23.618	7.383	1.00 79.78	A	ATOM 3465 N CYS A 433	-29.105 -19.723	5.241	1.00 64.22	A
	ATOM 3381 O VAL A 421	-39.064 -23.824	6.166	1.00 75.38	A	ATOM 3466 CA CYS A 433	-28.689 -20.523	6.379	1.00 60.10	A
	ATOM 3382 N ARG A 422	-40.100 -23.127	8.046	1.00 75.54	A	ATOM 3467 C CYS A 433	-27.267 -20.205	6.832	1.00 57.74	A
35	ATOM 3383 CA ARG A 422	-41.365 -22.795	7.394	1.00 77.67	A	ATOM 3468 O CYS A 433	-26.324 -20.287	6.042	1.00 58.48	A
	ATOM 3384 CB ARG A 422	-42.487 -22.809	8.433	1.00180.95	A	ATOM 3469 CB CYS A 433	-28.800 -22.013	6.032	1.00153.66	A
	ATOM 3385 CG ARG A 422	-43.653 -23.718	8.107	1.00141.54	A	ATOM 3470 SG CYS A 433	-28.469 -23.135	7.429	1.00100.77	A
	ATOM 3386 CD ARG A 422	-44.588 -23.096	7.093	1.00141.54	A	ATOM 3471 N VAL A 434	-27.118 -19.826	8.103	1.00 46.80	A
	ATOM 3387 NE ARG A 422	-45.780 -23.918	6.908	1.00141.54	A	ATOM 3472 CA VAL A 434	-25.800 -19.544	8.669	1.00 42.79	A

65251/C766

1	ATOM 3518 CG2 THR A 439	-13.928 -28.304 11.436 1.00 31.74	A	ATOM 3603 N CYS A 451	-32.272 -25.221 -5.133 1.00198.68	A
	ATOM 3519 C THR A 439	-15.350 -24.770 10.846 1.00 71.40	A	ATOM 3604 CA CYS A 451	-30.934 -24.791 -5.497 1.00198.68	A
	ATOM 3520 O THR A 439	-16.542 -24.765 11.116 1.00 71.74	A	ATOM 3605 CB CYS A 451	-29.900 -25.348 -4.550 1.00136.57	A
	ATOM 3521 N LEU A 440	-14.805 -23.858 10.052 1.00 58.91	A	ATOM 3606 SG CYS A 451	-30.053 -24.597 -2.924 1.00136.57	A
	ATOM 3522 CA LEU A 440	-15.608 -22.751 9.498 1.00 60.93	A	ATOM 3607 C CYS A 451	-30.650 -25.309 -6.856 1.00198.68	A
5	ATOM 3523 CB LEU A 440	-16.609 -23.236 8.412 1.00 82.18	A	ATOM 3608 O CYS A 451	-29.637 -26.042 -6.985 1.00198.68	A
	ATOM 3524 CG LEU A 440	-17.824 -24.212 8.366 1.00 62.18	A	ATOM 3609 OXT CYS A 451	-31.454 -24.969 -7.751 1.00108.94	A
	ATOM 3525 CD1 LEU A 440	-17.339 -25.622 8.529 1.00 62.18	A			
	ATOM 3526 CD2 LEU A 440	-18.898 -23.887 9.379 1.00 62.18	A	ATOM 3610 CB ARG B 1	-12.181 20.412 42.960 1.00144.65	B
	ATOM 3527 C LEU A 440	-16.365 -21.970 10.576 1.00 70.88	A	ATOM 3611 CG ARG B 1	-11.150 19.470 43.601 1.00144.65	B
10	ATOM 3528 O LEU A 440	-17.567 -22.124 10.711 1.00 69.10	A	ATOM 3612 CD ARG B 1	-11.061 19.589 45.123 1.00144.65	B
	ATOM 3529 N GLU A 441	-15.660 -21.127 11.334 1.00 68.07	A	ATOM 3613 NE ARG B 1	-11.936 18.648 45.827 1.00144.65	B
	ATOM 3530 CA GLU A 441	-16.267 -20.330 12.414 1.00 68.07	A	ATOM 3614 CZ ARG B 1	-11.808 17.321 45.795 1.00144.65	B
	ATOM 3531 CB GLU A 441	-15.457 -19.051 12.643 1.00197.78	A	ATOM 3615 NH1 ARG B 1	-10.838 16.754 45.091 1.00144.65	B
	ATOM 3532 CG GLU A 441	-14.041 -19.303 13.148 1.00121.14	A	ATOM 3616 NH2 ARG B 1	-12.656 16.556 46.468 1.00144.65	B
15	ATOM 3533 CD GLU A 441	-13.312 -18.018 13.522 1.00121.14	A	ATOM 3617 C ARG B 1	-14.068 18.754 43.190 1.00197.14	B
	ATOM 3534 OE1 GLU A 441	-13.175 -17.129 12.651 1.00121.14	A	ATOM 3618 O ARG B 1	-13.658 17.869 43.940 1.00197.14	B
	ATOM 3535 OE2 GLU A 441	-12.875 -17.898 14.689 1.00121.14	A	ATOM 3619 N ARG B 1	-13.815 20.630 44.809 1.00197.14	B
	ATOM 3536 C GLU A 441	-17.750 -19.984 12.201 1.00 68.07	A	ATOM 3620 CA ARG B 1	-13.643 20.212 43.390 1.00197.14	B
	ATOM 3537 O GLU A 441	-18.567 -20.106 13.112 1.00 68.07	A	ATOM 3621 N THR B 2	-14.898 18.510 42.180 1.00199.64	B
20	ATOM 3538 N ALA A 442	-18.097 -19.555 10.997 1.00 68.16	A	ATOM 3622 CA THR B 2	-15.383 17.161 41.889 1.00199.64	B
	ATOM 3539 CA ALA A 442	-19.484 -19.237 10.682 1.00 66.38	A	ATOM 3623 CB THR B 2	-16.639 17.199 40.977 1.00121.84	B
	ATOM 3540 CB ALA A 442	-19.948 -18.044 11.482 1.00 35.77	A	ATOM 3624 OG1 THR B 2	-17.657 18.006 41.582 1.00120.58	B
	ATOM 3541 C ALA A 442	-19.624 -18.955 9.193 1.00 62.37	A	ATOM 3625 CG2 THR B 2	-17.179 15.786 40.747 1.00123.73	B
	ATOM 3542 O ALA A 442	-19.168 -17.920 8.707 1.00 59.78	A	ATOM 3626 C THR B 2	-14.327 16.327 41.170 1.00199.64	B
25	ATOM 3543 N GLN A 443	-20.244 -19.885 8.465 1.00 34.04	A	ATOM 3627 O THR B 2	-14.014 16.604 40.011 1.00199.64	B
	ATOM 3544 CA GLN A 443	-20.446 -19.730 7.025 1.00 37.32	A	ATOM 3628 N PRO B 3	-13.750 15.306 41.841 1.00200.84	B
	ATOM 3545 CB GLN A 443	-19.868 -20.907 6.268 1.00 76.57	A	ATOM 3629 CD PRO B 3	-13.820 14.857 43.246 1.00 80.10	B
	ATOM 3546 CG GLN A 443	-18.440 -20.707 5.866 1.00 59.80	A	ATOM 3630 CA PRO B 3	-12.753 14.533 41.096 1.00200.84	B
	ATOM 3547 CD GLN A 443	-18.043 -21.629 4.730 1.00 59.80	A	ATOM 3631 CB PRO B 3	-12.528 13.310 41.989 1.00 78.34	B
30	ATOM 3548 OE1 GLN A 443	-18.742 -21.709 3.709 1.00 59.80	A	ATOM 3632 CG PRO B 3	-12.606 13.914 43.362 1.00 78.21	B
	ATOM 3549 NE2 GLN A 443	-16.917 -22.331 4.891 1.00 59.80	A	ATOM 3633 C PRO B 3	-13.337 14.197 39.720 1.00200.84	B
	ATOM 3550 C GLN A 443	-21.906 -19.562 6.625 1.00 39.49	A	ATOM 3634 O PRO B 3	-12.612 14.165 38.723 1.00200.84	B
	ATOM 3551 O GLN A 443	-22.807 -20.112 7.260 1.00 40.55	A	ATOM 3635 N SER B 4	-14.655 13.977 39.682 1.00135.14	B
	ATOM 3552 N VAL A 444	-22.134 -18.791 5.563 1.00 53.18	A	ATOM 3636 CA SER B 4	-15.386 13.689 38.444 1.00131.71	B
35	ATOM 3553 CA VAL A 444	-23.486 -18.546 5.082 1.00 50.33	A	ATOM 3637 CB SER B 4	-14.551 12.832 37.483 1.00158.37	B
	ATOM 3554 CB VAL A 444	-23.680 -17.067 4.729 1.00 67.80	A	ATOM 3638 OG SER B 4	-14.634 11.457 37.815 1.00160.32	B
	ATOM 3555 CG1 VAL A 444	-25.156 -16.753 4.625 1.00 60.10	A	ATOM 3639 C SER B 4	-16.727 12.994 38.649 1.00132.05	B
	ATOM 3556 CG2 VAL A 444	-23.024 -16.192 5.782 1.00 60.10	A	ATOM 3640 O SER B 4	-17.650 13.211 37.865 1.00132.20	B
	ATOM 3557 C VAL A 444	-23.760 -19.411 3.853 1.00 54.15	A	ATOM 3641 N ASP B 5	-16.822 12.169 39.695 1.00 59.17	B
40	ATOM 3558 O VAL A 444	-22.875 -19.623 3.018 1.00 56.41	A	ATOM 3642 CA ASP B 5	-18.032 11.390 40.012 1.00 59.28	B
	ATOM 3559 N TYR A 445	-24.979 -19.940 3.763 1.00 44.77	A	ATOM 3643 CB ASP B 5	-19.232 11.931 39.216 1.00140.25	B
	ATOM 3560 CA TYR A 445	-25.375 -20.798 2.642 1.00 43.84	A	ATOM 3644 CG ASP B 5	-20.499 11.140 39.439 1.00140.25	B
	ATOM 3561 CB TYR A 445	-25.375 -22.261 3.068 1.00 78.99	A	ATOM 3645 OD1 ASP B 5	-21.484 11.386 38.707 1.00140.25	B
	ATOM 3562 CG TYR A 445	-24.033 -22.737 3.562 1.00 51.41	A	ATOM 3646 OD2 ASP B 5	-20.519 10.280 40.342 1.00138.81	B
45	ATOM 3563 CD1 TYR A 445	-23.690 -22.654 4.915 1.00 51.41	A	ATOM 3647 C ASP B 5	-17.782 9.904 39.663 1.00 56.78	B
	ATOM 3564 CE1 TYR A 445	-22.437 -23.100 5.380 1.00 51.41	A	ATOM 3648 O ASP B 5	-18.417 9.005 40.206 1.00 60.29	B
	ATOM 3565 CD2 TYR A 445	-23.095 -23.269 2.680 1.00 51.41	A	ATOM 3649 N LYS B 6	-16.833 9.662 38.762 1.00 55.52	B
	ATOM 3566 CE2 TYR A 445	-21.845 -23.711 3.128 1.00 51.41	A	ATOM 3650 CA LYS B 6	-16.483 8.314 38.312 1.00 51.90	B
	ATOM 3567 CZ TYR A 445	-21.526 -23.627 4.479 1.00 51.41	A	ATOM 3651 CB LYS B 6	-15.607 8.372 37.053 1.00 48.08	B
50	ATOM 3568 OH TYR A 445	-20.316 -24.095 4.924 1.00 51.41	A	ATOM 3652 CG LYS B 6	-16.228 8.822 35.760 1.00 54.49	B
	ATOM 3569 C TYR A 445	-26.753 -20.400 2.131 1.00 45.30	A	ATOM 3653 CD LYS B 6	-15.123 8.942 34.711 1.00 58.10	B
	ATOM 3570 O TYR A 445	-27.671 -20.145 2.913 1.00 48.16	A	ATOM 3654 CE LYS B 6	-15.679 9.163 33.325 1.00 61.37	B
	ATOM 3571 N THR A 446	-26.907 -20.378 0.811 1.00 39.37	A	ATOM 3655 NZ LYS B 6	-16.498 7.986 32.898 1.00 62.56	B
	ATOM 3572 CA THR A 446	-28.167 -19.931 0.219 1.00 46.35	A	ATOM 3656 C LYS B 6	-15.663 7.554 39.331 1.00 47.23	B
55	ATOM 3573 CB THR A 446	-27.921 -18.690 -0.660 1.00 65.48	A	ATOM 3657 O LYS B 6	-14.705 8.102 39.873 1.00 51.11	B
	ATOM 3574 OG1 THR A 446	-26.950 -19.015 -1.661 1.00 53.63	A	ATOM 3658 N PRO B 7	-16.015 6.290 39.613 1.00 37.62	B
	ATOM 3575 CG2 THR A 446	-27.402 -17.530 0.167 1.00 53.63	A	ATOM 3659 CD PRO B 7	-17.210 5.510 39.293 1.00 29.09	B
	ATOM 3576 C THR A 446	-28.962 -20.913 -0.626 1.00 56.15	A	ATOM 3660 CA PRO B 7	-15.188 5.567 40.580 1.00 35.66	B
	ATOM 3577 O THR A 446	-28.851 -22.129 -0.488 1.00 59.82	A	ATOM 3661 CB PRO B 7	-15.873 4.203 40.694 1.00 31.09	B
60	ATOM 3578 N CYS A 447	-29.771 -20.310 -1.497 1.00 83.35	A	ATOM 3662 CG PRO B 7	-16.687 4.102 39.479 1.00 29.96	B
	ATOM 3579 CA CYS A 447	-30.663 -20.928 -2.490 1.00 84.33	A	ATOM 3663 C PRO B 7	-13.793 5.473 39.964 1.00 33.72	B
	ATOM 3580 C CYS A 447	-31.835 -21.800 -2.062 1.00 84.36	A	ATOM 3664 O PRO B 7	-13.652 5.165 38.774 1.00 34.73	B
	ATOM 3581 O CYS A 447	-31.756 -22.585 -1.126 1.00 81.22	A	ATOM 3665 N VAL B 8	-12.771 5.768 40.765 1.00 26.72	B
	ATOM 3582 CB CYS A 447	-29.854 -21.658 -3.576 1.00126.13	A	ATOM 3666 CA VAL B 8	-11.402 5.748 40.280 1.00 27.88	B
65	ATOM 3583 SG CYS A 447	-28.797 -23.014 -3.007 1.00111.66	A	ATOM 3667 CB VAL B 8	-11.050 7.107 39.625 1.00 25.59	B
	ATOM 3584 N SER A 448	-32.939 -21.617 -2.785 1.00200.84	A	ATOM 3668 CG1 VAL B 8	-11.258 8.232 40.622 1.00 26.17	B
	ATOM 3585 CA SER A 448	-34.181 -22.343 -2.559 1.00200.84	A	ATOM 3669 CG2 VAL B 8	-9.614 7.108 39.126 1.00 28.29	B
	ATOM 3586 CB SER A 448	-35.265 -21.393 -2.049 1.00200.84	A	ATOM 3670 C VAL B 8	-10.424 5.478 41.416 1.00 30.38	B
	ATOM 3587 OG SER A 448	-34.863 -20.775 -0.840 1.00200.84	A	ATOM 3671 O VAL B 8	-10.738 5.660 42.598 1.00 29.62	B
70	ATOM 3588 C SER A 448	-34.632 -22.990 -3.867 1.00200.84	A	ATOM 3672 N ALA B 9	-9.227 5.043 41.059 1.00 29.74	B
	ATOM 3589 O SER A 448	-33.805 -23.252 -4.742 1.00200.84	A	ATOM 3673 CA ALA B 9	-8.221 4.799 42.062 1.00 35.98	B
	ATOM 3590 N GLU A 449	-35.939 -23.221 -4.009 1.00 96.88	A	ATOM 3674 CB ALA B 9	-8.564 3.573 42.847 1.00 29.93	B
	ATOM 3591 CA GLU A 449	-36.475 -23.880 -5.202 1.00 96.88	A	ATOM 3675 C ALA B 9	-6.866 4.627 41.420 1.00 36.96	B
	ATOM 3592 CB GLU A 449	-35.970 -23.198 -6.482 1.00121.21	A	ATOM 3676 O ALA B 9	-6.732 3.983 40.377 1.00 34.94	B
75	ATOM 3593 CG GLU A 449	-36.712 -21.927 -6.856 1.00121.21	A	ATOM 3677 N HIS B 10	-5.866 5.238 42.035 1.00 33.63	B
	ATOM 3594 CD GLU A 449	-36.910 -21.000 -5.673 1.00121.21	A	ATOM 3678 CA HIS B 10	-4.497 5.117 41.580 1.00 34.50	B
	ATOM 3595 OE1 GLU A 449	-35.908 -20.645 -5.019 1.00121.21	A	ATOM 3679 CB HIS B 10	-4.050 6.361 40.817 1.00 30.60	B
	ATOM 3596 OE2 GLU A 449	-38.069 -20.626 -5.398 1.00121.21	A	ATOM 3680 CG HIS B 10	-2.651 6.266 40.293 1.00 32.09	B
	ATOM 3597 C GLU A 449	-35.976 -25.320 -5.160 1.00 96.88	A	ATOM 3681 CD2 HIS B 10	-1.481 6.727 40.793 1.00 29.82	B
80	ATOM 3598 O GLU A 449	-36.711 -26.259 -5.432 1.00 96.88	A	ATOM 3682 ND1 HIS B 10	-2.328 5.564 39.153 1.00 32.23	B
	ATOM 3599 N GLY A 450	-34.711 -25.467 -4.789 1.00 61.63	A	ATOM 3683 CE1 HIS B 10	-1.021 5.592 38.973 1.00 32.58	B
	ATOM 3600 CA GLY A 450	-34.063 -26.756 -4.695 1.00 61.63	A	ATOM 3684 NE2 HIS B 10	-0.484 6.291 39.956 1.00 30.06	B
	ATOM 3601 C GLY A 450	-32.618 -26.504 -5.060 1.00 61.63	A	ATOM 3685 C HIS B 10	-3.709 4.991 42.872 1.00 32.71	B
	ATOM 3602 O GLY A 450	-31.843 -27.436 -5.266 1.00 61.63	A	ATOM 3686 O HIS B 10	-3.425 5.994 43.543 1.00 30.87	B

65251/C766

1	ATOM 3687 N VAL B 11	-3.397	3.760	43.250	1.00	39.61	B	ATOM 3772 C GLN B 22	1.104	-1.627	49.331	1.00	61.29	B
	ATOM 3688 CA VAL B 11	-2.652	3.531	44.478	1.00	42.19	B	ATOM 3773 O GLN B 22	1.878	-0.691	49.235	1.00	60.24	B
	ATOM 3689 CB VAL B 11	-3.237	2.356	45.285	1.00	32.32	B	ATOM 3774 N TRP B 23	-0.141	-1.569	48.876	1.00	40.96	B
	ATOM 3690 CG1 VAL B 11	-4.664	2.693	45.669	1.00	28.38	B	ATOM 3775 CA TRP B 23	-0.669	-0.377	48.205	1.00	34.84	B
	ATOM 3691 CG2 VAL B 11	-3.204	1.062	44.474	1.00	34.30	B	ATOM 3776 CB TRP B 23	-1.766	-0.761	47.207	1.00	32.27	B
	ATOM 3692 C VAL B 11	-1.205	3.275	44.149	1.00	40.80	B	ATOM 3777 CG TRP B 23	-1.375	-1.775	46.196	1.00	32.79	B
	ATOM 3693 O VAL B 11	-0.872	2.824	43.055	1.00	37.81	B	ATOM 3778 CD2 TRP B 23	-0.444	-1.606	45.114	1.00	30.90	B
	ATOM 3694 N VAL B 12	-0.339	3.568	45.100	1.00	44.54	B	ATOM 3779 CE2 TRP B 23	-0.384	-2.836	44.420	1.00	32.52	B
5	ATOM 3695 CA VAL B 12	1.078	3.408	44.874	1.00	42.71	B	ATOM 3780 CE3 TRP B 23	0.347	-0.537	44.666	1.00	30.59	B
	ATOM 3696 CB VAL B 12	1.718	4.790	44.850	1.00	46.95	B	ATOM 3781 CD1 TRP B 23	-1.828	-3.049	46.116	1.00	32.26	B
	ATOM 3697 CG1 VAL B 12	1.764	5.358	46.258	1.00	40.75	B	ATOM 3782 NE1 TRP B 23	-1.240	-3.696	45.051	1.00	31.35	B
	ATOM 3698 CG2 VAL B 12	3.084	4.717	44.221	1.00	50.42	B	ATOM 3783 CZ2 TRP B 23	0.436	-3.030	43.301	1.00	34.58	B
	ATOM 3699 C VAL B 12	1.692	2.532	45.962	1.00	40.67	B	ATOM 3784 CZ3 TRP B 23	1.160	-0.730	43.553	1.00	35.03	B
	ATOM 3700 O VAL B 12	1.097	2.365	47.034	1.00	40.51	B	ATOM 3785 CH2 TRP B 23	1.196	-1.970	42.886	1.00	32.84	B
	ATOM 3701 N ALA B 13	2.873	1.979	45.693	1.00	56.19	B	ATOM 3786 C TRP B 23	-1.262	0.663	49.138	1.00	35.34	B
	ATOM 3702 CA ALA B 13	3.550	1.097	46.656	1.00	55.86	B	ATOM 3787 O TRP B 23	-1.986	0.323	50.074	1.00	36.62	B
	ATOM 3703 CB ALA B 13	4.666	0.319	45.971	1.00	19.80	B	ATOM 3788 N LEU B 24	-0.962	1.933	48.881	1.00	39.24	B
	ATOM 3704 C ALA B 13	4.119	1.812	47.862	1.00	59.84	B	ATOM 3789 CA LEU B 24	-1.529	3.013	49.692	1.00	36.93	B
	ATOM 3705 O ALA B 13	4.676	2.897	47.736	1.00	57.35	B	ATOM 3790 CB LEU B 24	-0.507	3.685	50.625	1.00	48.14	B
	ATOM 3706 N ASN B 14	3.988	1.185	49.028	1.00	49.54	B	ATOM 3791 CG LEU B 24	0.827	3.044	50.956	1.00	48.87	B
10	ATOM 3707 CA ASN B 14	4.494	1.737	50.284	1.00	50.66	B	ATOM 3792 CD1 LEU B 24	1.704	3.142	49.726	1.00	50.49	B
	ATOM 3708 CB ASN B 14	3.733	1.132	51.455	1.00	57.90	B	ATOM 3793 CD2 LEU B 24	1.476	3.762	52.110	1.00	43.98	B
	ATOM 3709 CG ASN B 14	4.210	1.653	52.793	1.00	59.89	B	ATOM 3794 C LEU B 24	-2.098	4.075	48.783	1.00	43.79	B
	ATOM 3710 OD1 ASN B 14	3.745	1.205	53.843	1.00	59.47	B	ATOM 3795 O LEU B 24	-1.725	4.185	47.613	1.00	40.77	B
	ATOM 3711 ND2 ASN B 14	5.140	2.606	52.766	1.00	62.01	B	ATOM 3796 N ASN B 25	-3.005	4.860	49.342	1.00	34.94	B
	ATOM 3712 C ASN B 14	5.974	1.399	50.412	1.00	53.54	B	ATOM 3797 CA ASN B 25	-3.642	5.929	48.605	1.00	36.38	B
	ATOM 3713 O ASN B 14	6.335	0.226	50.504	1.00	54.06	B	ATOM 3798 CB ASN B 25	-5.134	5.668	48.514	1.00	43.12	B
	ATOM 3714 N PRO B 15	6.852	2.419	50.434	1.00	62.22	B	ATOM 3799 CG ASN B 25	-5.823	5.907	49.827	1.00	44.69	B
	ATOM 3715 CD PRO B 15	6.601	3.863	50.316	1.00	38.30	B	ATOM 3800 OD1 ASN B 25	-6.623	6.829	49.958	1.00	48.68	B
	ATOM 3716 CA PRO B 15	8.291	2.150	50.543	1.00	65.82	B	ATOM 3801 ND2 ASN B 25	-5.499	5.088	50.823	1.00	41.09	B
	ATOM 3717 CB PRO B 15	8.936	3.470	50.098	1.00	42.64	B	ATOM 3802 C ASN B 25	-3.419	7.257	49.321	1.00	36.91	B
	ATOM 3718 CG PRO B 15	7.794	4.292	49.515	1.00	40.91	B	ATOM 3803 O ASN B 25	-3.834	8.302	48.835	1.00	39.27	B
15	ATOM 3719 C PRO B 15	8.709	1.757	51.956	1.00	67.03	B	ATOM 3804 N ARG B 26	-2.769	7.214	50.476	1.00	42.06	B
	ATOM 3720 O PRO B 15	9.766	1.158	52.160	1.00	69.06	B	ATOM 3805 CA ARG B 26	-2.520	8.428	51.247	1.00	43.34	B
	ATOM 3721 N GLN B 16	7.866	2.095	52.925	1.00	89.15	B	ATOM 3806 CB ARG B 26	-2.493	8.092	52.744	1.00	48.75	B
	ATOM 3722 CA GLN B 16	8.141	1.802	54.327	1.00	88.10	B	ATOM 3807 CG ARG B 26	-1.480	7.026	53.138	1.00	49.66	B
	ATOM 3723 CB GLN B 16	7.324	2.750	55.214	1.00	104.52	B	ATOM 3808 CD ARG B 26	-1.310	6.985	54.646	1.00	53.72	B
	ATOM 3724 CG GLN B 16	7.832	2.914	56.641	1.00	107.45	B	ATOM 3809 NE ARG B 26	-0.358	5.961	55.060	1.00	54.86	B
	ATOM 3725 CD GLN B 16	9.253	3.451	56.703	1.00	109.24	B	ATOM 3810 CZ ARG B 26	-0.661	4.678	55.206	1.00	55.42	B
	ATOM 3726 OE1 GLN B 16	9.610	4.380	55.975	1.00	111.36	B	ATOM 3811 NH1 ARG B 26	-1.896	4.257	54.976	1.00	55.90	B
	ATOM 3727 NE2 GLN B 16	10.068	2.875	57.584	1.00	107.89	B	ATOM 3812 NH2 ARG B 26	0.269	3.817	55.582	1.00	54.45	B
	ATOM 3728 C GLN B 16	7.829	0.345	54.682	1.00	84.77	B	ATOM 3813 C ARG B 26	-1.230	9.176	50.870	1.00	41.40	B
	ATOM 3729 O GLN B 16	7.958	-0.060	55.840	1.00	85.34	B	ATOM 3814 O ARG B 26	-0.459	9.584	51.740	1.00	41.11	B
20	ATOM 3730 N ALA B 17	7.422	-0.444	53.688	1.00	76.70	B	ATOM 3815 N ARG B 27	-1.000	9.365	49.575	1.00	40.77	B
	ATOM 3731 CA ALA B 17	7.104	-1.852	53.923	1.00	80.46	B	ATOM 3816 CA ARG B 27	0.196	10.052	49.126	1.00	41.70	B
	ATOM 3732 CB ALA B 17	5.651	-2.131	53.568	1.00	40.98	B	ATOM 3817 CB ARG B 27	1.206	9.051	48.577	1.00	35.01	B
	ATOM 3733 C ALA B 17	8.024	-2.759	53.117	1.00	84.96	B	ATOM 3818 CG ARG B 27	1.770	8.148	49.631	1.00	36.43	B
	ATOM 3734 O ALA B 17	7.580	-3.497	52.243	1.00	86.60	B	ATOM 3819 CD ARG B 27	2.301	8.960	50.798	1.00	38.80	B
	ATOM 3735 N GLU B 18	9.314	-2.699	53.429	1.00	94.79	B	ATOM 3820 NE ARG B 27	2.756	8.138	51.911	1.00	42.19	B
	ATOM 3736 CA GLU B 18	10.318	-3.501	52.744	1.00	96.79	B	ATOM 3821 CZ ARG B 27	3.764	7.276	51.834	1.00	45.80	B
	ATOM 3737 CB GLU B 18	11.662	-3.387	53.466	1.00	98.21	B	ATOM 3822 NH1 ARG B 27	4.101	6.574	52.910	1.00	46.67	B
	ATOM 3738 CG GLU B 18	11.630	-3.885	54.902	1.00	98.21	B	ATOM 3823 NH2 ARG B 27	4.433	7.116	50.685	1.00	44.03	B
	ATOM 3739 CD GLU B 18	13.000	-3.885	55.545	1.00	98.21	B	ATOM 3824 C ARG B 27	-0.050	11.136	48.097	1.00	42.16	B
	ATOM 3740 OE1 GLU B 18	13.893	-4.591	55.028	1.00	98.21	B	ATOM 3825 O ARG B 27	-1.170	11.337	47.625	1.00	42.30	B
25	ATOM 3741 OE2 GLU B 18	13.187	-3.183	56.562	1.00	98.21	B	ATOM 3826 N ALA B 28	1.036	11.820	47.766	1.00	76.46	B
	ATOM 3742 C GLU B 18	9.930	-4.971	52.648	1.00	96.45	B	ATOM 3827 CA ALA B 28	1.061	12.915	46.816	1.00	75.36	B
	ATOM 3743 O GLU B 18	9.246	-5.509	53.523	1.00	96.06	B	ATOM 3828 CB ALA B 28	2.443	13.012	46.197	1.00	125.57	B
	ATOM 3744 N GLY B 19	10.373	-5.606	51.569	1.00	77.61	B	ATOM 3829 C ALA B 28	0.021	12.873	45.720	1.00	75.02	B
	ATOM 3745 CA GLY B 19	10.099	-7.015	51.366	1.00	75.10	B	ATOM 3830 O ALA B 28	-1.050	13.461	45.845	1.00	76.04	B
	ATOM 3746 C GLY B 19	8.719	-7.384	50.862	1.00	73.60	B	ATOM 3831 N ASN B 29	0.328	12.185	44.633	1.00	56.89	B
	ATOM 3747 O GLY B 19	8.480	-8.542	50.517	1.00	73.61	B	ATOM 3832 CA ASN B 29	-0.614	12.144	43.521	1.00	56.06	B
	ATOM 3748 N GLN B 20	7.804	-6.423	50.807	1.00	101.28	B	ATOM 3833 CB ASN B 29	0.113	12.535	42.234	1.00	40.41	B
	ATOM 3749 CA GLN B 20	6.456	-6.714	50.336	1.00	96.85	B	ATOM 3834 CG ASN B 29	0.643	13.958	42.281	1.00	40.47	B
	ATOM 3750 CB GLN B 20	5.543	-6.970	51.530	1.00	103.39	B	ATOM 3835 OD1 ASN B 29	-0.091	14.913	42.035	1.00	46.33	B
	ATOM 3751 CG GLN B 20	5.577	-5.857	52.551	1.00	104.37	B	ATOM 3836 ND2 ASN B 29	1.920	14.105	42.625	1.00	37.48	B
30	ATOM 3752 CD GLN B 20	4.728	-6.157	53.762	1.00	104.13	B	ATOM 3837 C ASN B 29	-1.284	10.793	43.364	1.00	54.40	B
	ATOM 3753 OE1 GLN B 20	4.952	-7.148	54.456	1.00	103.78	B	ATOM 3838 O ASN B 29	-1.163	10.148	42.324	1.00	52.12	B
	ATOM 3754 NE2 GLN B 20	3.743	-5.301	54.025	1.00	103.58	B	ATOM 3839 N ALA B 30	-1.993	10.369	44.405	1.00	46.66	B
	ATOM 3755 C GLN B 20	5.878	-5.600	49.468	1.00	91.59	B	ATOM 3840 CA ALA B 30	-2.683	9.089	44.393	1.00	41.48	B
	ATOM 3756 O GLN B 20	6.448	-4.514	49.364	1.00	90.30	B	ATOM 3841 CB ALA B 30	-2.212	8.249	45.552	1.00	33.13	B
	ATOM 3757 N LEU B 21	4.742	-5.879	48.839	1.00	60.98	B	ATOM 3842 C ALA B 30	-4.190	9.321	44.475	1.00	42.88	B
	ATOM 3758 CA LEU B 21	4.090	-4.902	47.981	1.00	57.44	B	ATOM 3843 O ALA B 30	-4.642	10.440	44.746	1.00	47.03	B
	ATOM 3759 CB LEU B 21	3.877	-5.482	46.582	1.00	47.74	B	ATOM 3844 N LEU B 31	-4.966	8.270	44.238	1.00	42.00	B
	ATOM 3760 CG LEU B 21	3.138	-4.621	45.550	1.00	46.52	B	ATOM 3845 CA LEU B 31	-6.416	8.395	44.269	1.00	41.47	B
	ATOM 3761 CD1 LEU B 21	3.722	-3.215	45.520	1.00	43.82	B	ATOM 3846 CB LEU B 31	-6.952	8.668	42.873	1.00	34.85	B
	ATOM 3762 CD2 LEU B 21	3.247	-5.282	44.180	1.00	48.56	B	ATOM 3847 CG LEU B 31	-6.745	10.003	42.201	1.00	37.73	B
35	ATOM 3763 C LEU B 21	2.755	-4.501	48.575	1.00	56.05	B	ATOM 3848 CD1 LEU B 31	-7.047	9.870	40.716	1.00	35.35	B
	ATOM 3764 O LEU B 21	1.742	-5.149	48.339	1.00	51.37	B	ATOM 3849 CD2 LEU B 31	-7.645	11.021	42.853	1.00	37.20	B
	ATOM 3765 N GLN B 22	2.759	-3.424	49.349	1.00	59.30	B	ATOM 3850 C LEU B 31	-7.128	7				

65251/C766

1	ATOM 3857 CD2 LEU B 32	-8.963	4.157	49.110	1.00	24.57	B	ATOM 3942 CD2 LEU B 43	-7.635	-0.028	44.762	1.00	25.45	B
	ATOM 3858 C LEU B 32	-10.472	7.030	46.194	1.00	38.81	B	ATOM 3943 C LEU B 43	-10.600	-3.286	44.792	1.00	39.41	B
	ATOM 3859 O LEU B 32	-10.762	7.428	47.318	1.00	44.68	B	ATOM 3944 O LEU B 43	-10.699	-4.353	44.221	1.00	36.03	B
	ATOM 3860 N ALA B 33	-11.280	7.173	45.150	1.00	39.73	B	ATOM 3945 N VAL B 44	-11.644	-2.660	45.307	1.00	34.05	B
	ATOM 3861 CA ALA B 33	-12.534	7.888	45.291	1.00	40.25	B	ATOM 3946 CA VAL B 44	-12.970	-3.245	45.196	1.00	33.73	B
5	ATOM 3862 CB ALA B 33	-12.350	9.313	44.808	1.00	40.67	B	ATOM 3947 CB VAL B 44	-13.580	-3.538	46.581	1.00	27.24	B
	ATOM 3863 C ALA B 33	-13.764	7.311	44.629	1.00	42.04	B	ATOM 3948 CG1 VAL B 44	-14.868	-4.298	46.405	1.00	28.43	B
	ATOM 3864 O ALA B 33	-13.711	6.344	43.873	1.00	46.22	B	ATOM 3949 CG2 VAL B 44	-12.593	-4.335	47.432	1.00	21.85	B
	ATOM 3865 N ASN B 34	-14.879	7.965	44.931	1.00	42.37	B	ATOM 3950 C VAL B 44	-13.907	-2.332	44.435	1.00	32.74	B
	ATOM 3866 CA ASN B 34	-16.184	7.625	44.404	1.00	39.56	B	ATOM 3951 O VAL B 44	-14.174	-1.199	44.854	1.00	33.78	B
10	ATOM 3867 CB ASN B 34	-16.256	8.047	42.951	1.00	42.30	B	ATOM 3952 N VAL B 45	-14.404	-2.839	43.314	1.00	29.40	B
	ATOM 3868 CG ASN B 34	-16.033	9.514	42.788	1.00	46.22	B	ATOM 3953 CA VAL B 45	-15.306	-2.095	42.446	1.00	35.14	B
	ATOM 3869 OD1 ASN B 34	-16.670	10.316	43.464	1.00	48.70	B	ATOM 3954 CB VAL B 45	-15.444	-2.828	41.113	1.00	41.66	B
	ATOM 3870 ND2 ASN B 34	-15.126	9.886	41.899	1.00	41.63	B	ATOM 3955 CG1 VAL B 45	-16.582	-2.246	40.311	1.00	44.23	B
	ATOM 3871 C ASN B 34	-16.621	6.187	44.548	1.00	40.31	B	ATOM 3956 CG2 VAL B 45	-14.143	-2.714	40.350	1.00	45.06	B
15	ATOM 3872 O ASN B 34	-17.198	5.620	43.635	1.00	42.85	B	ATOM 3957 C VAL B 45	-16.689	-1.862	43.077	1.00	36.93	B
	ATOM 3873 N GLY B 35	-16.345	5.591	45.693	1.00	42.99	B	ATOM 3958 O VAL B 45	-17.315	-2.775	43.595	1.00	36.38	B
	ATOM 3874 CA GLY B 35	-16.794	4.241	45.892	1.00	37.58	B	ATOM 3959 N PRO B 46	-17.182	-0.624	43.029	1.00	41.90	B
	ATOM 3875 C GLY B 35	-15.779	3.130	45.911	1.00	37.93	B	ATOM 3960 CD PRO B 46	-16.435	0.594	42.659	1.00	49.12	B
	ATOM 3876 O GLY B 35	-15.967	2.168	46.652	1.00	39.42	B	ATOM 3961 CA PRO B 46	-18.485	-0.285	43.609	1.00	40.75	B
20	ATOM 3877 N VAL B 36	-14.718	3.202	45.120	1.00	35.94	B	ATOM 3962 CB PRO B 46	-18.274	1.148	44.072	1.00	48.48	B
	ATOM 3878 CA VAL B 36	-13.791	2.084	45.167	1.00	37.27	B	ATOM 3963 CG PRO B 46	-17.450	1.707	42.938	1.00	49.18	B
	ATOM 3879 CB VAL B 36	-12.804	2.088	43.950	1.00	37.76	B	ATOM 3964 C PRO B 46	-19.703	-0.392	42.693	1.00	44.19	B
	ATOM 3880 CG1 VAL B 36	-12.938	3.368	43.193	1.00	35.79	B	ATOM 3965 O PRO B 46	-20.825	-0.194	43.146	1.00	46.65	B
	ATOM 3881 CG2 VAL B 36	-11.379	1.836	44.395	1.00	38.16	B	ATOM 3966 N SER B 47	-19.499	-0.683	41.412	1.00	64.81	B
25	ATOM 3882 C VAL B 36	-13.085	2.062	46.513	1.00	41.42	B	ATOM 3967 CA SER B 47	-20.635	-0.768	40.499	1.00	61.93	B
	ATOM 3883 O VAL B 36	-12.752	3.101	47.076	1.00	42.38	B	ATOM 3968 CB SER B 47	-21.141	0.639	40.193	1.00	58.46	B
	ATOM 3884 N GLU B 37	-12.909	0.862	47.048	1.00	42.35	B	ATOM 3969 OG SER B 47	-20.134	1.390	39.540	1.00	59.67	B
	ATOM 3885 CA GLU B 37	-12.272	0.689	48.340	1.00	44.95	B	ATOM 3970 C SER B 47	-20.355	-1.493	39.185	1.00	58.62	B
	ATOM 3886 CB GLU B 37	-13.225	-0.028	49.292	1.00	78.55	B	ATOM 3971 O SER B 47	-19.212	-1.585	38.751	1.00	55.76	B
30	ATOM 3887 CG GLU B 37	-14.669	0.388	49.105	1.00	85.58	B	ATOM 3972 N GLU B 48	-21.420	-2.003	38.563	1.00	42.09	B
	ATOM 3888 CD GLU B 37	-15.663	-0.555	49.767	1.00	88.55	B	ATOM 3973 CA GLU B 48	-21.335	-2.710	37.288	1.00	46.58	B
	ATOM 3889 OE1 GLU B 37	-15.367	-1.768	49.875	1.00	91.98	B	ATOM 3974 CB GLU B 48	-22.737	-3.030	36.754	1.00	50.28	B
	ATOM 3890 OE2 GLU B 37	-16.754	-0.084	50.159	1.00	89.11	B	ATOM 3975 CG GLU B 48	-23.640	-3.829	37.679	1.00	55.02	B
	ATOM 3891 C GLU B 37	-10.992	-0.124	48.201	1.00	43.84	B	ATOM 3976 CD GLU B 48	-23.380	-5.321	37.617	1.00	59.37	B
35	ATOM 3892 O GLU B 37	-10.827	-0.920	47.270	1.00	46.30	B	ATOM 3977 OE1 GLU B 48	-22.304	-5.763	38.075	1.00	61.61	B
	ATOM 3893 N LEU B 38	-10.075	0.111	49.126	1.00	51.43	B	ATOM 3978 OE2 GLU B 48	-24.255	-6.053	37.105	1.00	57.29	B
	ATOM 3894 CA LEU B 38	-8.821	-0.609	49.153	1.00	53.47	B	ATOM 3979 C GLU B 48	-20.677	-1.734	36.331	1.00	45.17	B
	ATOM 3895 CB LEU B 38	-7.654	0.372	49.296	1.00	29.47	B	ATOM 3980 O GLU B 48	-20.830	-0.519	36.486	1.00	50.96	B
	ATOM 3896 CG LEU B 38	-6.257	-0.246	49.265	1.00	27.38	B	ATOM 3981 N GLY B 49	-19.940	-2.244	35.348	1.00	42.47	B
40	ATOM 3897 CD1 LEU B 38	-6.132	-1.195	48.088	1.00	25.76	B	ATOM 3982 CA GLY B 49	-19.333	-1.344	34.388	1.00	40.13	B
	ATOM 3898 CD2 LEU B 38	-5.218	0.867	49.201	1.00	24.25	B	ATOM 3983 C GLY B 49	-18.058	-1.779	33.712	1.00	42.14	B
	ATOM 3899 C LEU B 38	-8.979	-1.489	50.386	1.00	53.74	B	ATOM 3984 O GLY B 49	-17.456	-2.797	34.047	1.00	44.98	B
	ATOM 3900 O LEU B 38	-8.874	-1.026	51.526	1.00	47.35	B	ATOM 3985 N LEU B 50	-17.668	-0.972	32.734	1.00	42.51	B
	ATOM 3901 N ARG B 39	-9.262	-2.762	50.141	1.00	41.67	B	ATOM 3986 CA LEU B 50	-16.452	-1.166	31.973	1.00	43.71	B
45	ATOM 3902 CA ARG B 39	-9.502	-3.729	51.207	1.00	48.20	B	ATOM 3987 CB LEU B 50	-16.643	-0.561	30.588	1.00	32.85	B
	ATOM 3903 CB ARG B 39	-10.963	-4.167	51.128	1.00	65.95	B	ATOM 3988 CG LEU B 50	-16.625	-1.468	29.359	1.00	33.98	B
	ATOM 3904 CG ARG B 39	-11.461	-4.949	52.291	1.00	73.65	B	ATOM 3989 CD1 LEU B 50	-17.129	-2.856	29.722	1.00	30.79	B
	ATOM 3905 CD ARG B 39	-12.967	-5.058	52.210	1.00	82.26	B	ATOM 3990 CD2 LEU B 50	-17.473	-0.833	28.266	1.00	34.37	B
	ATOM 3906 NE ARG B 39	-13.526	-5.567	53.461	1.00	88.79	B	ATOM 3991 C LEU B 50	-15.357	-0.409	32.729	1.00	40.09	B
50	ATOM 3907 CZ ARG B 39	-14.822	-5.543	53.772	1.00	89.59	B	ATOM 3992 O LEU B 50	-15.542	0.755	33.081	1.00	38.81	B
	ATOM 3908 NH1 ARG B 39	-15.698	-5.035	52.914	1.00	88.07	B	ATOM 3993 N TYR B 51	-14.230	-1.057	33.000	1.00	41.31	B
	ATOM 3909 NH2 ARG B 39	-15.240	-6.008	54.947	1.00	91.89	B	ATOM 3994 CA TYR B 51	-13.149	-0.393	33.723	1.00	39.96	B
	ATOM 3910 C ARG B 39	-8.582	-4.935	51.083	1.00	50.25	B	ATOM 3995 CB TYR B 51	-12.985	-0.958	35.132	1.00	42.17	B
	ATOM 3911 O ARG B 39	-8.462	-5.527	50.009	1.00	53.48	B	ATOM 3996 CG TYR B 51	-14.057	-0.602	36.124	1.00	42.27	B
55	ATOM 3912 N ASP B 40	-7.932	-5.298	52.181	1.00	51.47	B	ATOM 3997 CD1 TYR B 51	-15.320	-1.181	36.064	1.00	43.13	B
	ATOM 3913 CA ASP B 40	-7.018	-6.435	52.184	1.00	49.42	B	ATOM 3998 CE1 TYR B 51	-16.298	-0.858	36.997	1.00	42.69	B
	ATOM 3914 CB ASP B 40	-7.806	-7.743	52.124	1.00	113.09	B	ATOM 3999 CD2 TYR B 51	-13.799	0.305	37.144	1.00	43.83	B
	ATOM 3915 CG ASP B 40	-8.836	-7.853	53.236	1.00	115.23	B	ATOM 4000 CE2 TYR B 51	-14.769	0.634	38.088	1.00	42.10	B
	ATOM 3916 OD1 ASP B 40	-8.455	-7.696	54.417	1.00	112.11	B	ATOM 4001 CZ TYR B 51	-16.015	0.053	38.009	1.00	41.80	B
60	ATOM 3917 OD2 ASP B 40	-10.025	-8.098	52.932	1.00	115.35	B	ATOM 4002 OH TYR B 51	-16.983	0.387	38.930	1.00	42.03	B
	ATOM 3918 C ASP B 40	-6.034	-6.369	51.022	1.00	45.55	B	ATOM 4003 C TYR B 51	-11.806	-0.540	33.044	1.00	40.14	B
	ATOM 3919 O ASP B 40	-5.690	-7.392	50.442	1.00	44.78	B	ATOM 4004 O TYR B 51	-11.498	-1.592	32.453	1.00	41.03	B
	ATOM 3920 N ASN B 41	-5.596	-5.155	50.685	1.00	49.92	B	ATOM 4005 N LEU B 52	-11.009	0.523	33.125	1.00	33.63	B
	ATOM 3921 CA ASN B 41	-4.640	-4.899	49.609	1.00	45.67	B	ATOM 4006 CA LEU B 52	-9.657	0.489	32.597	1.00	35.28	B
65	ATOM 3922 CB ASN B 41	-3.381	-5.738	49.804	1.00	53.67	B	ATOM 4007 CB LEU B 52	-9.249	1.854	32.039	1.00	49.87	B
	ATOM 3923 CG ASN B 41	-2.161	-5.094	49.177	1.00	48.36	B	ATOM 4008 CG LEU B 52	-7.758	1.992	31.694	1.00	45.76	B
	ATOM 3924 OD1 ASN B 41	-1.835	-3.934	49.461	1.00	49.70	B	ATOM 4009 CD1 LEU B 52	-7.298	0.855	30.802	1.00	47.79	B
	ATOM 3925 ND2 ASN B 41	-1.480	-5.839	48.318	1.00	44.46	B	ATOM 4010 CD2 LEU B 52	-7.524	3.315	31.009	1.00	40.09	B
	ATOM 3926 C ASN B 41	-5.185	-5.125	48.203	1.00	48.98	B	ATOM 4011 C LEU B 52	-8.821	0.124	33.834	1.00	36.81	B
70	ATOM 3927 O ASN B 41	-4.427	-5.387	47.262	1.00	5								

65251/C766

1	ATOM 4027 CD2 TYR B 54	-4.698	2.219	34.899	1.00	27.66	B	ATOM 4112 O PRO B 65	23.075	-15.942	39.852	1.00	129.63	B
	ATOM 4028 CE2 TYR B 54	-4.920	3.355	35.698	1.00	27.66	B	ATOM 4113 N SER B 66	21.586	-17.106	41.075	1.00	171.09	B
	ATOM 4029 CZ TYR B 54	-3.886	3.860	36.470	1.00	27.66	B	ATOM 4114 CA SER B 66	21.982	-18.400	40.544	1.00	174.69	B
	ATOM 4030 OH TYR B 54	-4.086	4.983	37.227	1.00	27.66	B	ATOM 4115 CB SER B 66	21.950	-19.452	41.657	1.00	158.34	B
	ATOM 4031 C TYR B 54	-2.586	-1.001	36.111	1.00	32.58	B	ATOM 4116 OG SER B 66	22.304	-20.734	41.167	1.00	155.50	B
5	ATOM 4032 O TYR B 54	-2.995	-0.723	37.248	1.00	31.43	B	ATOM 4117 C SER B 66	21.046	-18.812	39.416	1.00	175.24	B
	ATOM 4033 N SER B 55	-1.331	-1.348	35.858	1.00	36.55	B	ATOM 4118 O SER B 66	20.081	-18.110	39.110	1.00	168.66	B
	ATOM 4034 CA SER B 55	-0.359	-1.444	36.932	1.00	36.33	B	ATOM 4119 N THR B 67	21.349	-19.954	38.807	1.00	200.84	B
	ATOM 4035 CB SER B 55	-0.620	-2.690	37.769	1.00	34.68	B	ATOM 4120 CA THR B 67	20.565	-20.518	37.711	1.00	200.84	B
	ATOM 4036 OG SER B 55	0.414	-2.891	38.709	1.00	41.24	B	ATOM 4121 CB THR B 67	19.554	-21.571	38.233	1.00	176.00	B
10	ATOM 4037 C SER B 55	1.047	-1.517	36.397	1.00	39.31	B	ATOM 4122 OG1 THR B 67	20.243	-22.545	39.027	1.00	176.00	B
	ATOM 4038 O SER B 55	1.271	-2.006	35.290	1.00	36.45	B	ATOM 4123 CG2 THR B 67	18.866	-22.276	37.066	1.00	176.00	B
	ATOM 4039 N GLN B 56	1.993	-1.020	37.186	1.00	49.77	B	ATOM 4124 C THR B 67	19.798	-19.484	36.891	1.00	200.84	B
	ATOM 4040 CA GLN B 56	3.393	-1.072	36.812	1.00	50.47	B	ATOM 4125 O THR B 67	20.357	-18.839	36.004	1.00	200.84	B
	ATOM 4041 CB GLN B 56	3.880	0.233	36.211	1.00	60.88	B	ATOM 4126 N HIS B 68	18.514	-19.328	37.199	1.00	158.58	B
15	ATOM 4042 CG GLN B 56	5.299	0.076	35.708	1.00	62.48	B	ATOM 4127 CA HIS B 68	17.668	-18.395	36.474	1.00	153.70	B
	ATOM 4043 CD GLN B 56	5.972	1.377	35.389	1.00	65.60	B	ATOM 4128 CB HIS B 68	17.039	-19.114	35.279	1.00	184.11	B
	ATOM 4044 OE1 GLN B 56	6.443	2.077	36.290	1.00	65.13	B	ATOM 4129 CG HIS B 68	16.589	-18.199	34.185	1.00	184.11	B
	ATOM 4045 NE2 GLN B 56	6.026	1.720	34.101	1.00	68.71	B	ATOM 4130 CD2 HIS B 68	15.367	-17.992	33.641	1.00	184.11	B
	ATOM 4046 C GLN B 56	4.260	-1.358	38.012	1.00	52.95	B	ATOM 4131 ND1 HIS B 68	17.456	-17.375	33.502	1.00	184.11	B
20	ATOM 4047 O GLN B 56	4.073	-0.770	39.081	1.00	51.03	B	ATOM 4132 CE1 HIS B 68	16.789	-16.700	32.584	1.00	184.11	B
	ATOM 4048 N VAL B 57	5.210	-2.267	37.836	1.00	46.84	B	ATOM 4133 NE2 HIS B 68	15.519	-17.056	32.647	1.00	184.11	B
	ATOM 4049 CA VAL B 57	6.145	-2.589	38.903	1.00	41.21	B	ATOM 4134 C HIS B 68	16.573	-17.846	37.386	1.00	149.53	B
	ATOM 4050 CB VAL B 57	5.996	-4.036	39.404	1.00	43.52	B	ATOM 4135 O HIS B 68	16.037	-18.565	38.229	1.00	148.98	B
	ATOM 4051 CG1 VAL B 57	4.583	-4.263	39.921	1.00	44.72	B	ATOM 4136 N VAL B 69	16.248	-16.569	37.214	1.00	111.57	B
25	ATOM 4052 CG2 VAL B 57	6.333	-4.997	38.291	1.00	40.45	B	ATOM 4137 CA VAL B 69	15.211	-15.920	38.012	1.00	111.30	B
	ATOM 4053 C VAL B 57	7.526	-2.417	38.327	1.00	43.82	B	ATOM 4138 CB VAL B 69	15.784	-14.738	38.825	1.00	101.65	B
	ATOM 4054 O VAL B 57	7.720	-2.566	37.133	1.00	44.93	B	ATOM 4139 CG1 VAL B 69	14.694	-14.113	39.672	1.00	101.41	B
	ATOM 4055 N LEU B 58	8.482	-2.080	39.178	1.00	48.98	B	ATOM 4140 CG2 VAL B 69	16.924	-15.217	39.707	1.00	99.91	B
	ATOM 4056 CA LEU B 58	9.851	-1.903	38.732	1.00	47.43	B	ATOM 4141 C VAL B 69	14.104	-15.392	37.105	1.00	110.89	B
30	ATOM 4057 CB LEU B 58	10.305	-0.460	38.945	1.00	57.06	B	ATOM 4142 O VAL B 69	14.375	-14.767	36.079	1.00	114.45	B
	ATOM 4058 CG LEU B 58	11.394	0.068	38.009	1.00	59.08	B	ATOM 4143 N LEU B 70	12.858	-15.659	37.482	1.00	77.62	B
	ATOM 4059 CD1 LEU B 58	12.081	1.247	38.675	1.00	53.10	B	ATOM 4144 CA LEU B 70	11.711	-15.196	36.708	1.00	72.84	B
	ATOM 4060 CD2 LEU B 58	12.399	-1.019	37.691	1.00	56.86	B	ATOM 4145 CB LEU B 70	10.774	-16.354	36.357	1.00	62.30	B
	ATOM 4061 C LEU B 58	10.716	-2.820	39.568	1.00	50.40	B	ATOM 4146 CG LEU B 70	11.287	-17.404	35.366	1.00	64.00	B
35	ATOM 4062 O LEU B 58	10.791	-2.661	40.785	1.00	52.03	B	ATOM 4147 CD1 LEU B 70	10.183	-18.387	35.077	1.00	59.04	B
	ATOM 4063 N PHE B 59	11.352	-3.789	38.918	1.00	47.65	B	ATOM 4148 CD2 LEU B 70	11.749	-16.745	34.072	1.00	64.60	B
	ATOM 4064 CA PHE B 59	12.229	-4.717	39.619	1.00	48.55	B	ATOM 4149 C LEU B 70	10.925	-14.155	37.478	1.00	73.88	B
	ATOM 4065 CB PHE B 59	12.131	-6.113	39.023	1.00	47.79	B	ATOM 4150 O LEU B 70	10.660	-14.317	38.666	1.00	73.99	B
	ATOM 4066 CG PHE B 59	10.796	-6.763	39.209	1.00	44.28	B	ATOM 4151 N LEU B 71	10.559	-13.083	36.789	1.00	64.03	B
40	ATOM 4067 CD1 PHE B 59	9.897	-6.850	38.148	1.00	42.72	B	ATOM 4152 CA LEU B 71	9.787	-12.009	37.396	1.00	63.97	B
	ATOM 4068 CD2 PHE B 59	10.441	-7.312	40.434	1.00	46.24	B	ATOM 4153 CB LEU B 71	10.473	-10.659	37.156	1.00	51.73	B
	ATOM 4069 CE1 PHE B 59	8.664	-7.479	38.310	1.00	48.64	B	ATOM 4154 CG LEU B 71	11.891	-10.517	37.710	1.00	49.40	B
	ATOM 4070 CE2 PHE B 59	9.212	-7.940	40.603	1.00	49.35	B	ATOM 4155 CD1 LEU B 71	12.460	-9.179	37.298	1.00	45.55	B
	ATOM 4071 CZ PHE B 59	8.325	-8.023	39.543	1.00	47.95	B	ATOM 4156 CD2 LEU B 71	11.866	-10.657	39.220	1.00	49.52	B
45	ATOM 4072 C PHE B 59	13.673	-4.234	39.507	1.00	52.66	B	ATOM 4157 C LEU B 71	8.407	-12.006	36.752	1.00	68.00	B
	ATOM 4073 O PHE B 59	14.072	-3.658	38.493	1.00	52.35	B	ATOM 4158 O LEU B 71	8.288	-11.979	35.524	1.00	67.49	B
	ATOM 4074 N LYS B 60	14.447	-4.466	40.561	1.00	68.54	B	ATOM 4159 N THR B 72	7.367	-12.058	37.577	1.00	41.22	B
	ATOM 4075 CA LYS B 60	15.847	-4.076	40.600	1.00	69.89	B	ATOM 4160 CA THR B 72	6.008	-12.049	37.051	1.00	38.65	B
	ATOM 4076 CB LYS B 60	16.009	-2.724	41.289	1.00	86.85	B	ATOM 4161 CB THR B 72	5.281	-13.402	37.254	1.00	55.66	B
50	ATOM 4077 CG LYS B 60	17.453	-2.296	41.466	1.00	93.04	B	ATOM 4162 OG1 THR B 72	4.853	-13.526	38.614	1.00	58.19	B
	ATOM 4078 CD LYS B 60	17.530	-0.991	42.229	1.00	101.25	B	ATOM 4163 CG2 THR B 72	6.197	-14.554	36.917	1.00	53.38	B
	ATOM 4079 CE LYS B 60	18.964	-0.551	42.441	1.00	104.00	B	ATOM 4164 C THR B 72	5.170	-10.962	37.701	1.00	41.28	B
	ATOM 4080 NZ LYS B 60	19.009	0.770	43.132	1.00	104.34	B	ATOM 4165 O THR B 72	5.292	-10.672	38.900	1.00	42.32	B
	ATOM 4081 C LYS B 60	16.635	-5.131	41.362	1.00	69.40	B	ATOM 4166 N HIS B 73	4.326	-10.348	36.886	1.00	38.86	B
55	ATOM 4082 O LYS B 60	16.193	-5.626	42.399	1.00	72.15	B	ATOM 4167 CA HIS B 73	3.432	-9.304	37.348	1.00	39.31	B
	ATOM 4083 N GLY B 61	17.804	-5.477	40.840	1.00	81.86	B	ATOM 4168 CB HIS B 73	3.823	-7.965	36.744	1.00	33.00	B
	ATOM 4084 CA GLY B 61	18.625	-6.468	41.500	1.00	84.42	B	ATOM 4169 CG HIS B 73	3.023	-6.820	37.269	1.00	35.87	B
	ATOM 4085 C GLY B 61	20.089	-6.121	41.396	1.00	86.12	B	ATOM 4170 CD2 HIS B 73	2.265	-6.698	38.386	1.00	37.63	B
	ATOM 4086 O GLY B 61	20.527	-5.584	40.379	1.00	89.29	B	ATOM 4171 ND1 HIS B 73	2.966	-5.602	36.632	1.00	40.48	B
60	ATOM 4087 N GLN B 62	20.839	-6.411	42.454	1.00	108.42	B	ATOM 4172 CE1 HIS B 73	2.207	-4.778	37.332	1.00	39.02	B
	ATOM 4088 CA GLN B 62	22.272	-6.146	42.475	1.00	108.73	B	ATOM 4173 NE2 HIS B 73	1.770	-5.418	38.401	1.00	39.19	B
	ATOM 4089 CB GLN B 62	22.752	-5.897	43.906	1.00	115.30	B	ATOM 4174 C HIS B 73	2.076	-9.722	36.817	1.00	38.39	B
	ATOM 4090 CG GLN B 62	22.039	-4.755	44.619	1.00	119.43	B	ATOM 4175 O HIS B 73	1.958	-10.110	35.656	1.00	34.25	B
	ATOM 4091 CD GLN B 62	22.302	-3.404	43.980	1.00	125.37	B	ATOM 4176 N THR B 74	1.048	-9.668	37.645	1.00	44.19	B
65	ATOM 4092 OE1 GLN B 62	21.992	-3.183	42.810	1.00	124.97	B	ATOM 4177 CA THR B 74	-0.247	-10.086	37.152	1.00	50.78	B
	ATOM 4093 NE2 GLN B 62	22.875	-2.489	44.752	1.00	125.54	B	ATOM 4178 CB THR B 74	-0.333	-11.650	37.132	1.00	50.78	B
	ATOM 4094 C GLN B 62	22.940	-7.389	41.916	1.00	106.67	B	ATOM 4179 OG1 THR B 74	-1.572	-12.081	37.704	1.00	53.29	B
	ATOM 4095 O GLN B 62	22.764	-8.480	42.451	1.00	108.18	B	ATOM 4180 CG2 THR B 74	0.822	-12.271	37.900	1.00	55.61	B
	ATOM 4096 N GLY B 63	23.690	-7.230	40.831	1.00	89.45	B	ATOM 418						

65251/C766

1	ATOM 4197 N ARG B 77	-8.713 -11.027 38.958 1.00 37.42	B	ATOM 4282 OD1 ASN B 87	-4.049 -14.629 37.475 1.00 68.57	B
	ATOM 4198 CA ARG B 77	-10.064 -10.620 39.314 1.00 42.60	B	ATOM 4283 ND2 ASN B 87	-2.646 -15.547 35.979 1.00 62.92	B
	ATOM 4199 CB ARG B 77	-10.932 -10.363 38.071 1.00 35.77	B	ATOM 4284 C ASN B 87	-6.463 -12.874 34.490 1.00 52.05	B
	ATOM 4200 CG ARG B 77	-12.426 -10.491 38.373 1.00 37.95	B	ATOM 4285 O ASN B 87	-6.989 -13.443 33.532 1.00 50.63	B
	ATOM 4201 CD ARG B 77	-13.299 -9.728 37.415 1.00 38.82	B	ATOM 4286 N LEU B 88	-6.376 -11.544 34.588 1.00 43.46	B
5	ATOM 4202 NE ARG B 77	-14.047 -10.577 36.489 1.00 41.26	B	ATOM 4287 CA LEU B 88	-6.888 -10.664 33.536 1.00 42.45	B
	ATOM 4203 CZ ARG B 77	-15.374 -10.539 36.353 1.00 44.69	B	ATOM 4288 CB LEU B 88	-7.559 -9.441 34.125 1.00 35.70	B
	ATOM 4204 NH1 ARG B 77	-15.986 -11.330 35.483 1.00 44.78	B	ATOM 4289 CG LEU B 88	-8.777 -9.670 34.995 1.00 32.63	B
	ATOM 4205 NH2 ARG B 77	-16.098 -9.720 37.102 1.00 44.55	B	ATOM 4290 CD1 LEU B 88	-9.326 -8.326 35.404 1.00 33.40	B
	ATOM 4206 C ARG B 77	-10.678 -11.760 40.116 1.00 40.94	B	ATOM 4291 CD2 LEU B 88	-9.814 -10.465 34.228 1.00 31.20	B
10	ATOM 4207 O ARG B 77	-10.547 -12.928 39.751 1.00 46.69	B	ATOM 4292 C LEU B 88	-5.738 -10.187 32.671 1.00 41.69	B
	ATOM 4208 N ILE B 78	-11.296 -11.435 41.236 1.00 39.41	B	ATOM 4293 O LEU B 88	-5.845 -10.146 31.447 1.00 40.16	B
	ATOM 4209 CA ILE B 78	-11.978 -12.456 41.999 1.00 38.10	B	ATOM 4294 N LEU B 89	-4.641 -9.816 33.331 1.00 47.60	B
	ATOM 4210 CB ILE B 78	-11.369 -12.661 43.449 1.00 50.84	B	ATOM 4295 CA LEU B 89	-3.442 -9.327 32.657 1.00 46.52	B
	ATOM 4211 CG2 ILE B 78	-10.017 -11.990 43.569 1.00 51.34	B	ATOM 4296 CB LEU B 89	-3.380 -7.807 32.755 1.00 34.01	B
15	ATOM 4212 CG1 ILE B 78	-12.321 -12.167 44.521 1.00 52.51	B	ATOM 4297 CG LEU B 89	-4.634 -7.065 32.294 1.00 37.99	B
	ATOM 4213 CD1 ILE B 78	-13.529 -13.055 44.711 1.00 52.83	B	ATOM 4298 CD1 LEU B 89	-4.634 -5.683 32.893 1.00 37.72	B
	ATOM 4214 C ILE B 78	-13.403 -11.883 41.969 1.00 40.27	B	ATOM 4299 CD2 LEU B 89	-4.676 -6.978 30.784 1.00 37.11	B
	ATOM 4215 O ILE B 78	-13.737 -10.910 42.664 1.00 38.82	B	ATOM 4300 C LEU B 89	-2.233 -9.929 33.348 1.00 48.19	B
	ATOM 4216 N ALA B 79	-14.222 -12.460 41.090 1.00 39.45	B	ATOM 4301 O LEU B 89	-2.204 -10.027 34.579 1.00 48.91	B
20	ATOM 4217 CA ALA B 79	-15.587 -12.004 40.906 1.00 36.05	B	ATOM 4302 N SER B 90	-1.236 -10.324 32.565 1.00 50.76	B
	ATOM 4218 CB ALA B 79	-16.126 -12.543 39.588 1.00 72.90	B	ATOM 4303 CA SER B 90	-0.043 -10.931 33.133 1.00 50.10	B
	ATOM 4219 C ALA B 79	-16.540 -12.356 42.045 1.00 37.25	B	ATOM 4304 CB SER B 90	-0.325 -12.385 33.498 1.00 61.74	B
	ATOM 4220 O ALA B 79	-16.370 -13.362 42.738 1.00 37.45	B	ATOM 4305 OG SER B 90	0.838 -13.006 34.007 1.00 65.96	B
	ATOM 4221 N VAL B 80	-17.555 -11.516 42.229 1.00 56.02	B	ATOM 4306 C SER B 90	1.142 -10.897 32.194 1.00 48.73	B
25	ATOM 4222 CA VAL B 80	-18.550 -11.750 43.268 1.00 58.51	B	ATOM 4307 O SER B 90	0.989 -11.039 30.983 1.00 48.55	B
	ATOM 4223 CB VAL B 80	-19.562 -10.594 43.354 1.00 57.33	B	ATOM 4308 N ALA B 91	2.330 -10.727 32.760 1.00 44.50	B
	ATOM 4224 CG1 VAL B 80	-20.602 -10.896 44.412 1.00 55.73	B	ATOM 4309 CA ALA B 91	3.546 -10.701 31.968 1.00 42.59	B
	ATOM 4225 CG2 VAL B 80	-18.860 -9.312 43.678 1.00 59.03	B	ATOM 4310 CB ALA B 91	3.886 -9.282 31.595 1.00 38.37	B
	ATOM 4226 C VAL B 80	-19.316 -13.029 42.947 1.00 63.06	B	ATOM 4311 C ALA B 91	4.695 -11.339 32.744 1.00 46.56	B
30	ATOM 4227 O VAL B 80	-19.732 -13.750 43.838 1.00 61.65	B	ATOM 4312 O ALA B 91	4.664 -11.420 33.974 1.00 48.43	B
	ATOM 4228 N SER B 81	-19.502 -13.307 41.666 1.00 66.61	B	ATOM 4313 N ILE B 92	5.706 -11.797 32.018 1.00 57.88	B
	ATOM 4229 CA SER B 81	-20.222 -14.502 41.253 1.00 69.47	B	ATOM 4314 CA ILE B 92	6.859 -12.439 32.632 1.00 57.86	B
	ATOM 4230 CB SER B 81	-21.038 -14.208 39.995 1.00 50.24	B	ATOM 4315 CB ILE B 92	6.882 -13.944 32.316 1.00 45.50	B
	ATOM 4231 OG SER B 81	-22.027 -13.243 40.274 1.00 53.28	B	ATOM 4316 CG2 ILE B 92	8.016 -14.608 33.071 1.00 51.57	B
35	ATOM 4232 C SER B 81	-19.330 -15.729 41.013 1.00 73.65	B	ATOM 4317 CG1 ILE B 92	5.542 -14.578 32.700 1.00 43.61	B
	ATOM 4233 O SER B 81	-19.813 -16.757 40.532 1.00 74.17	B	ATOM 4318 CD1 ILE B 92	5.415 -16.022 32.312 1.00 49.48	B
	ATOM 4234 N TYR B 82	-18.042 -15.624 41.349 1.00 43.47	B	ATOM 4319 C ILE B 92	8.113 -11.816 32.060 1.00 57.69	B
	ATOM 4235 CA TYR B 82	-17.098 -16.732 41.176 1.00 45.51	B	ATOM 4320 O ILE B 92	8.127 -11.427 30.900 1.00 58.77	B
	ATOM 4236 CB TYR B 82	-16.778 -16.931 39.694 1.00 34.66	B	ATOM 4321 N LYS B 93	9.164 -11.724 32.866 1.00 70.11	B

65251/C766

1	ATOM 4367 C ARG B 98	23.409 -16.454	33.935	1.00200.81	B	ATOM 4452 C TRP B 109	18.402 -3.817	37.132	1.00 65.86	B
	ATOM 4368 O ARG B 98	24.351 -17.136	34.342	1.00200.81	B	ATOM 4453 O TRP B 109	17.922 -4.023	38.248	1.00 67.47	B
	ATOM 4369 N GLU B 99	23.559 -15.199	33.516	1.00193.03	B	ATOM 4454 N TYR B 110	17.757 -3.184	36.159	1.00 68.59	B
	ATOM 4370 CA GLU B 99	24.865 -14.539	33.492	1.00193.03	B	ATOM 4455 CA TYR B 110	16.404 -2.687	36.327	1.00 67.23	B
	ATOM 4371 CB GLU B 99	24.703 -13.017	33.363	1.00165.68	B	ATOM 4456 CB TYR B 110	16.372 -1.165	36.209	1.00 69.62	B
5	ATOM 4372 CG GLU B 99	23.269 -12.510	33.469	1.00165.68	B	ATOM 4457 CG TYR B 110	17.153 -0.438	37.276	1.00 73.17	B
	ATOM 4373 CD GLU B 99	22.534 -12.553	32.143	1.00165.68	B	ATOM 4458 CD1 TYR B 110	18.548 -0.429	37.273	1.00 77.26	B
	ATOM 4374 OE1 GLU B 99	22.656 -13.571	31.430	1.00165.68	B	ATOM 4459 CE1 TYR B 110	19.263 0.285	38.234	1.00 77.58	B
	ATOM 4375 OE2 GLU B 99	21.829 -11.572	31.818	1.00165.68	B	ATOM 4460 CD2 TYR B 110	16.494 0.275	38.268	1.00 73.40	B
	ATOM 4376 C GLU B 99	25.690 -14.849	34.740	1.00193.03	B	ATOM 4461 CE2 TYR B 110	17.197 0.988	39.233	1.00 78.77	B
10	ATOM 4377 O GLU B 99	26.850 -15.245	34.636	1.00193.03	B	ATOM 4462 CZ TYR B 110	18.575 0.993	39.211	1.00 79.06	B
	ATOM 4378 N THR B 100	25.082 -14.666	35.910	1.00200.84	B	ATOM 4463 OH TYR B 110	19.247 1.723	40.163	1.00 80.26	B
	ATOM 4379 CA THR B 100	25.736 -14.912	37.195	1.00200.84	B	ATOM 4464 C TYR B 110	15.518 -3.296	35.256	1.00 65.74	B
	ATOM 4380 CB THR B 100	25.852 -16.429	37.488	1.00166.34	B	ATOM 4465 O TYR B 110	15.916 -3.402	34.098	1.00 66.93	B
	ATOM 4381 OG1 THR B 100	26.536 -17.077	36.410	1.00166.62	B	ATOM 4466 N GLU B 111	14.313 -3.695	35.649	1.00 62.77	B
15	ATOM 4382 CG2 THR B 100	24.473 -17.051	37.649	1.00167.51	B	ATOM 4467 CA GLU B 111	13.366 -4.298	34.721	1.00 60.79	B
	ATOM 4383 C THR B 100	27.128 -14.278	37.275	1.00200.84	B	ATOM 4468 CB GLU B 111	13.503 -5.818	34.771	1.00 76.65	B
	ATOM 4384 O THR B 100	28.041 -14.657	36.541	1.00200.84	B	ATOM 4469 CG GLU B 111	13.431 -6.482	33.426	1.00 83.57	B
	ATOM 4385 N PRO B 101	27.304 -13.301	38.179	1.00200.84	B	ATOM 4470 CD GLU B 111	14.534 -6.020	32.505	1.00 88.54	B
	ATOM 4386 CD PRO B 101	26.311 -12.832	39.164	1.00106.21	B	ATOM 4471 OE1 GLU B 111	15.712 -6.209	32.866	1.00 88.75	B
20	ATOM 4387 CA PRO B 101	28.579 -12.604	38.364	1.00200.84	B	ATOM 4472 OE2 GLU B 111	14.226 -5.466	31.424	1.00 95.70	B
	ATOM 4388 CB PRO B 101	28.395 -11.915	39.712	1.00107.16	B	ATOM 4473 C GLU B 111	11.934 -3.892	35.080	1.00 61.37	B
	ATOM 4389 CG PRO B 101	26.944 -11.559	39.686	1.00105.19	B	ATOM 4474 O GLU B 111	11.399 -4.309	36.110	1.00 66.73	B
	ATOM 4390 C PRO B 101	29.791 -13.533	38.342	1.00200.84	B	ATOM 4475 N PRO B 112	11.305 -3.042	34.250	1.00 53.83	B
	ATOM 4391 O PRO B 101	29.985 -14.342	39.250	1.00200.84	B	ATOM 4476 CD PRO B 112	11.940 -2.192	33.226	1.00 40.62	B
25	ATOM 4392 N GLU B 102	30.596 -13.405	37.292	1.00200.84	B	ATOM 4477 CA PRO B 112	9.930 -2.595	34.494	1.00 53.06	B
	ATOM 4393 CA GLU B 102	31.800 -14.211	37.117	1.00200.84	B	ATOM 4478 CB PRO B 112	9.950 -1.168	33.978	1.00 36.69	B
	ATOM 4394 CB GLU B 102	32.644 -13.618	35.979	1.00123.28	B	ATOM 4479 CG PRO B 112	10.780 -1.303	32.764	1.00 37.82	B
	ATOM 4395 CG GLU B 102	33.982 -14.304	35.728	1.00124.48	B	ATOM 4480 C PRO B 112	8.917 -3.450	33.727	1.00 50.09	B
	ATOM 4396 CD GLU B 102	35.020 -13.991	36.795	1.00125.79	B	ATOM 4481 O PRO B 112	9.254 -4.076	32.717	1.00 50.22	B
30	ATOM 4397 OE1 GLU B 102	35.347 -12.798	36.987	1.00126.60	B	ATOM 4482 N ILE B 113	7.684 -3.488	34.216	1.00 41.31	B
	ATOM 4398 OE2 GLU B 102	35.509 -14.941	37.440	1.00124.91	B	ATOM 4483 CA ILE B 113	6.623 -4.238	33.545	1.00 43.28	B
	ATOM 4399 C GLU B 102	32.624 -14.303	38.406	1.00200.84	B	ATOM 4484 CB ILE B 113	6.375 -5.611	34.184	1.00 53.81	B
	ATOM 4400 O GLU B 102	33.169 -15.360	38.728	1.00200.12	B	ATOM 4485 CG2 ILE B 113	5.246 -6.318	33.453	1.00 49.83	B
	ATOM 4401 N GLY B 103	32.706 -13.197	39.140	1.00173.10	B	ATOM 4486 CG1 ILE B 113	7.635 -6.462	34.115	1.00 50.87	B
35	ATOM 4402 CA GLY B 103	33.466 -13.174	40.379	1.00170.42	B	ATOM 4487 CD1 ILE B 113	7.420 -7.882	34.616	1.00 51.35	B
	ATOM 4403 C GLY B 103	34.053 -11.801	40.649	1.00168.29	B	ATOM 4488 C ILE B 113	5.320 -3.459	33.635	1.00 47.50	B
	ATOM 4404 O GLY B 103	34.547 -11.527	41.744	1.00162.78	B	ATOM 4489 O ILE B 113	4.910 -3.058	34.727	1.00 50.90	B
	ATOM 4405 N ALA B 104	33.997 -10.935	39.640	1.00187.49	B	ATOM 4490 N TYR B 114	4.676 -3.235	32.493	1.00 36.63	B
	ATOM 4406 CA ALA B 104	34.516 -9.577	39.746	1.00187.49	B	ATOM 4491 CA TYR B 114	3.402 -2.519	32.486	1.00 34.91	B

65251/C766

1	ATOM 4537 CA GLN B 120	-16.480	-5.738	32.374	1.00	46.32	B	ATOM 4622 N ILE B 131	3.015	-9.637	42.490	1.00	49.62	B
	ATOM 4538 CB GLN B 120	-17.401	-6.655	31.586	1.00	61.74	B	ATOM 4623 CA ILE B 131	4.286	-9.995	41.866	1.00	52.16	B
	ATOM 4539 CG GLN B 120	-18.556	-5.974	30.894	1.00	61.89	B	ATOM 4624 CB ILE B 131	5.341	-8.879	41.996	1.00	53.36	B
	ATOM 4540 CD GLN B 120	-19.397	-5.148	31.830	1.00	61.49	B	ATOM 4625 CG2 ILE B 131	4.920	-7.674	41.186	1.00	53.59	B
	ATOM 4541 OE1 GLN B 120	-19.683	-5.564	32.946	1.00	61.05	B	ATOM 4626 CG1 ILE B 131	5.538	-8.525	43.468	1.00	49.55	B
	ATOM 4542 NE2 GLN B 120	-19.818	-3.969	31.373	1.00	64.32	B	ATOM 4627 CD1 ILE B 131	6.610	-7.491	43.703	1.00	48.16	B
	ATOM 4543 C GLN B 120	-16.407	-6.251	33.806	1.00	45.46	B	ATOM 4628 C ILE B 131	4.792	-11.218	42.604	1.00	54.05	B
	ATOM 4544 O GLN B 120	-15.990	-7.382	34.013	1.00	48.16	B	ATOM 4629 O ILE B 131	4.335	-11.508	43.707	1.00	54.77	B
5	ATOM 4545 N LEU B 121	-16.805	-5.439	34.784	1.00	36.79	B	ATOM 4630 N ASN B 132	5.744	-11.926	42.011	1.00	68.42	B
	ATOM 4546 CA LEU B 121	-16.745	-5.829	36.190	1.00	38.45	B	ATOM 4631 CA ASN B 132	6.284	-13.124	42.641	1.00	65.42	B
	ATOM 4547 CB LEU B 121	-15.736	-4.948	36.930	1.00	39.59	B	ATOM 4632 CB ASN B 132	6.543	-14.169	41.571	1.00	52.92	B
	ATOM 4548 CG LEU B 121	-14.286	-5.417	37.055	1.00	37.86	B	ATOM 4633 CG ASN B 132	7.632	-13.751	40.622	1.00	51.62	B
	ATOM 4549 CD1 LEU B 121	-13.885	-6.279	35.881	1.00	39.25	B	ATOM 4634 OD1 ASN B 132	7.694	-12.597	40.203	1.00	53.31	B
	ATOM 4550 CD2 LEU B 121	-13.390	-4.184	37.182	1.00	33.35	B	ATOM 4635 ND2 ASN B 132	8.503	-14.687	40.272	1.00	49.45	B
	ATOM 4551 C LEU B 121	-18.090	-5.723	36.891	1.00	40.49	B	ATOM 4636 C ASN B 132	7.569	-12.890	43.454	1.00	63.07	B
	ATOM 4552 O LEU B 121	-18.920	-4.880	36.525	1.00	45.76	B	ATOM 4637 O ASN B 132	7.842	-13.627	44.398	1.00	66.24	B
	ATOM 4553 N GLU B 122	-18.292	-6.577	37.901	1.00	43.64	B	ATOM 4638 N ARG B 133	8.351	-11.870	43.097	1.00	64.67	B
	ATOM 4554 CA GLU B 122	-19.524	-6.604	38.698	1.00	45.18	B	ATOM 4639 CA ARG B 133	9.599	-11.580	43.804	1.00	60.26	B
	ATOM 4555 CB GLU B 122	-19.888	-8.022	39.136	1.00	96.93	B	ATOM 4640 CB ARG B 133	10.785	-11.727	42.846	1.00	67.24	B
	ATOM 4556 CG GLU B 122	-20.142	-9.051	38.067	1.00	99.97	B	ATOM 4641 CG ARG B 133	10.955	-13.124	42.282	1.00	69.82	B
10	ATOM 4557 CD GLU B 122	-20.369	-10.438	38.678	1.00	105.25	B	ATOM 4642 CD ARG B 133	11.108	-14.145	43.393	1.00	75.06	B
	ATOM 4558 OE1 GLU B 122	-19.435	-10.963	39.331	1.00	106.75	B	ATOM 4643 NE ARG B 133	12.257	-13.874	44.254	1.00	72.92	B
	ATOM 4559 OE2 GLU B 122	-21.480	-10.996	38.517	1.00	105.34	B	ATOM 4644 CZ ARG B 133	13.531	-14.037	43.893	1.00	74.02	B
	ATOM 4560 C GLU B 122	-19.317	-5.816	39.984	1.00	43.98	B	ATOM 4645 NH1 ARG B 133	14.508	-13.763	44.752	1.00	76.70	B
	ATOM 4561 O GLU B 122	-18.201	-5.738	40.489	1.00	45.17	B	ATOM 4646 NH2 ARG B 133	13.836	-14.478	42.678	1.00	73.31	B
	ATOM 4562 N LYS B 123	-20.392	-5.252	40.525	1.00	45.69	B	ATOM 4647 C ARG B 133	9.632	-10.194	44.444	1.00	64.85	B
	ATOM 4563 CA LYS B 123	-20.288	-4.530	41.781	1.00	46.54	B	ATOM 4648 O ARG B 133	10.403	-9.331	44.037	1.00	67.21	B
	ATOM 4564 CB LYS B 123	-21.647	-3.982	42.208	1.00	62.86	B	ATOM 4649 N PRO B 134	8.811	-9.973	45.477	1.00	50.03	B
	ATOM 4565 CG LYS B 123	-21.653	-3.421	43.607	1.00	59.02	B	ATOM 4650 CD PRO B 134	7.978	-10.957	46.183	1.00	37.20	B
	ATOM 4566 CD LYS B 123	-23.036	-2.985	44.015	1.00	56.69	B	ATOM 4651 CA PRO B 134	8.758	-8.684	46.163	1.00	53.75	B
	ATOM 4567 CE LYS B 123	-23.038	-2.497	45.453	1.00	58.42	B	ATOM 4652 CB PRO B 134	7.705	-8.915	47.244	1.00	39.92	B
	ATOM 4568 NZ LYS B 123	-24.406	-2.122	45.920	1.00	62.43	B	ATOM 4653 CG PRO B 134	7.876	-10.344	47.559	1.00	41.92	B
15	ATOM 4569 C LYS B 123	-19.813	-5.554	42.798	1.00	47.36	B	ATOM 4654 C PRO B 134	10.092	-8.257	46.739	1.00	58.93	B
	ATOM 4570 O LYS B 123	-20.403	-6.625	42.933	1.00	52.12	B	ATOM 4655 O PRO B 134	10.259	-7.107	47.145	1.00	61.97	B
	ATOM 4571 N GLY B 124	-18.731	-5.238	43.495	1.00	41.61	B	ATOM 4656 N ASP B 135	11.045	-9.179	46.781	1.00	72.46	B
	ATOM 4572 CA GLY B 124	-18.208	-6.154	44.486	1.00	42.72	B	ATOM 4657 CA ASP B 135	12.360	-8.850	47.311	1.00	68.92	B
	ATOM 4573 C GLY B 124	-16.964	-6.926	44.080	1.00	44.13	B	ATOM 4658 CB ASP B 135	13.095	-10.131	47.711	1.00	92.13	B
	ATOM 4574 O GLY B 124	-16.357	-7.591	44.925	1.00	44.93	B	ATOM 4659 CG ASP B 135	12.931	-11.232	46.695	1.00	91.60	B
	ATOM 4575 N ASP B 125	-16.578	-6.864	42.807	1.00	42.70	B	ATOM 4660 OD1 ASP B 135	13.576	-11.154	45.633	1.00	87.54	B
	ATOM 4576 CA ASP B 125	-15.387	-7.579	42.358	1.00	41.49	B	ATOM 4661 OD2 ASP B 135	12.148	-12.170	46.950	1.00	93.18	B
	ATOM 4577 CB ASP B 125	-15.226	-7.453	40.847	1.00	61.29	B	ATOM 4662 C ASP B 135	13.179	-8.028	46.310	1.00	67.63	B
	ATOM 4578 CG ASP B 125	-16.254	-8.254	40.075	1.00	66.75	B	ATOM 4663 O ASP B 135	14.198	-7.443	46.670	1.00	74.32	B
20	ATOM 4579 OD1 ASP B 125	-16.970	-9.072	40.688	1.00	68.40	B	ATOM 4664 N TYR B 136	12.715	-7.975	45.060	1.00	59.47	B
	ATOM 4580 OD2 ASP B 125	-16.334	-8.072	38.844	1.00	65.41	B	ATOM 4665 CA TYR B 136	13.384	-7.214	44.015	1.00	60.68	B
	ATOM 4581 C ASP B 125	-14.119	-7.062	43.045	1.00	40.54	B	ATOM 4666 CB TYR B 136	13.493	-8.030	42.738	1.00	80.06	B
	ATOM 4582 O ASP B 125	-14.022	-5.876	43.386	1.00	37.45	B	ATOM 4667 CG TYR B 136	14.527	-9.121	42.773	1.00	79.67	B
	ATOM 4583 N ARG B 126	-13.155	-7.956	43.248	1.00	51.79	B	ATOM 4668 CD1 TYR B 136	14.162	-10.453	42.581	1.00	79.27	B
	ATOM 4584 CA ARG B 126	-11.897	-7.613	43.895	1.00	47.27	B	ATOM 4669 CE1 TYR B 136	15.114	-11.470	42.547	1.00	81.82	B
	ATOM 4585 CB ARG B 126	-11.636	-8.552	45.071	1.00	82.06	B	ATOM 4670 CD2 TYR B 136	15.875	-8.828	42.941	1.00	81.84	B
	ATOM 4586 CG ARG B 126	-12.551	-8.379	46.266	1.00	80.55	B	ATOM 4671 CE2 TYR B 136	16.840	-9.841	42.909	1.00	81.31	B
	ATOM 4587 CD ARG B 126	-12.349	-9.522	47.256	1.00	85.47	B	ATOM 4672 CZ TYR B 136	16.449	-11.160	42.708	1.00	82.61	B
	ATOM 4588 NE ARG B 126	-12.931	-9.214	48.556	1.00	89.02	B	ATOM 4673 OH TYR B 136	17.386	-12.171	42.650	1.00	86.45	B
	ATOM 4589 CG ARG B 126	-12.370	-8.410	49.462	1.00	92.25	B	ATOM 4674 C TYR B 136	12.616	-5.935	43.703	1.00	62.59	B
	ATOM 4590 NH1 ARG B 126	-12.979	-8.180	50.625	1.00	91.92	B	ATOM 4675 O TYR B 136	12.956	-5.204	42.778	1.00	65.47	B
25	ATOM 4591 NH2 ARG B 126	-11.189	-7.850	49.221	1.00	90.44	B	ATOM 4676 N LEU B 137	11.580	-5.658	44.479	1.00	72.08	B
	ATOM 4592 C ARG B 126	-10.755	-7.746	42.900	1.00	48.11	B	ATOM 4677 CA LEU B 137	10.772	-4.470	44.258	1.00	68.79	B
	ATOM 4593 O ARG B 126	-10.578	-8.798	42.297	1.00	45.33	B	ATOM 4678 CB LEU B 137	9.558	-4.507	45.177	1.00	68.28	B
	ATOM 4594 N LEU B 127	-9.967	-6.692	42.732	1.00	38.62	B	ATOM 4679 CG LEU B 137	8.185	-4.497	44.515	1.00	66.01	B
	ATOM 4595 CA LEU B 127	-8.844	-6.729	41.800	1.00	35.00	B	ATOM 4680 CD1 LEU B 137	7.138	-4.256	45.588	1.00	68.15	B
	ATOM 4596 CB LEU B 127	-8.891	-5.509	40.887	1.00	34.87	B	ATOM 4681 CD2 LEU B 137	8.107	-3.412	43.462	1.00	69.77	B
	ATOM 4597 CG LEU B 127	-10.172	-5.431	40.052	1.00	33.85	B	ATOM 4682 C LEU B 137	11.511	-3.151	44.480	1.00	68.16	B
	ATOM 4598 CD1 LEU B 127	-10.291	-4.070	39.393	1.00	34.43	B	ATOM 4683 O LEU B 137	11.946	-2.873	45.589	1.00	67.01	B
	ATOM 4599 CD2 LEU B 127	-10.153	-6.525	38.999	1.00	34.51	B	ATOM 4684 N LEU B 138	11.648	-2.334	43.439	1.00	72.27	B
	ATOM 4600 C LEU B 127	-7.535	-6.766	42.563	1.00	34.75	B	ATOM 4685 CA LEU B 138	12.298	-1.034	43.603	1.00	70.07	B
	ATOM 4601 O LEU B 127	-7.367	-6.040	43.536	1.00	30.95	B	ATOM 4686 CB LEU B 138	13.247	-0.696	42.442	1.00	64.75	B
30	ATOM 4602 N SER B 128	-6.611	-7.618	42.120	1.00	43.34	B	ATOM 4687 CG LEU B 138	13.695	0.784	42.460	1.00	60.87	B
	ATOM 4603 CA SER B 128	-5.306	-7.771	42.772	1.00	43.01	B	ATOM 4688 CD1 LEU B 138	14.164	1.157	43.854	1.00	62.44	B
	ATOM 4604 CB SER B 128	-5.140	-9.182	43.332	1.00	73.11	B	ATOM 4689 CD2 LEU B 138	14.791	1.043	41.450	1.00	63.79	B
	ATOM 4605 OG SER B 128	-6.335	-9.650	43.924	1.00	78.96	B	ATOM 4690 C LEU B 138	11.262	0.069	43.699	1.00	73.42	B
	ATOM 4606 C SER B 128	-4.179	-7.529	41.789	1.00	42.19	B	ATOM 4691 O LEU B 138	10.765	0.554	42.685	1.00	72.57	B
	ATOM 4607 O SER B 128	-4.252	-7.941	40.639	1.00	43.47	B	ATOM 4692 N PHE B 139	10.935	0.465	44.919	1.00	57.55	B
	ATOM 4608 N ALA B 129	-3.138	-6.851	42.252	1.00	50.95	B	ATOM 4693 CA PHE B 139	9.963	1.529	45.125	1.00	58.93	B
	ATOM 4609 CA ALA B 129	-1.975	-6.572	41.431	1.00	51.92	B	ATOM 4694 CB PHE B 139	8.763	1.009	45.937	1.00	88.64	B
	ATOM 4610 CB ALA B 129	-1.812	-5.067	41.249	1.00	26.61	B	ATOM 4695 CG PHE B 139	9.137	0.162	47.125	1.00	87.79	B
	ATOM 4611 C ALA B 129	-0.816	-7.160	42.228	1.00	50.69	B	ATOM 4696 CD1 PHE B 139	8.269	-0.822	47.581	1.00	87.32	B
	ATOM 4612 O ALA B 129	-0.322	-6.545	43.167	1.00	51.57	B	ATOM 4697 CD2 PHE B 139	10.345	0.347	47.794	1.00	90.40	B
35	ATOM 4613 N GLU B 130	-0.390	-8.362	41.860	1.00	43.43	B	ATOM 4698 CE1 PHE B 139	8.593	-1.609	48.679	1.00	91.96	B

65251/C766

1	ATOM 4707 O ALA B 140	12.253	6.302	46.302	1.00	64.41	B	ATOM 4792 CA LEU B 152	-15.234	4.208	31.646	1.00	71.08	B
	ATOM 4708 N GLU B 141	12.222	5.497	44.196	1.00	79.55	B	ATOM 4793 CB LEU B 152	-14.331	3.591	30.585	1.00	53.53	B
	ATOM 4709 CA GLU B 141	11.925	6.785	43.594	1.00	82.73	B	ATOM 4794 CG LEU B 152	-12.844	3.766	30.866	1.00	54.78	B
	ATOM 4710 CB GLU B 141	12.138	6.736	42.077	1.00	200.43	B	ATOM 4795 CD1 LEU B 152	-12.027	3.083	29.794	1.00	52.47	B
	ATOM 4711 CG GLU B 141	11.983	8.090	41.381	1.00	200.43	B	ATOM 4796 CD2 LEU B 152	-12.513	5.221	30.920	1.00	53.98	B
	ATOM 4712 CD GLU B 141	10.539	8.435	41.043	1.00	200.43	B	ATOM 4797 C LEU B 152	-16.693	4.051	31.243	1.00	73.93	B
	ATOM 4713 OE1 GLU B 141	10.221	9.638	40.942	1.00	200.43	B	ATOM 4798 O LEU B 152	-17.448	5.025	31.233	1.00	79.79	B
	ATOM 4714 OE2 GLU B 141	9.724	7.508	40.863	1.00	200.43	B	ATOM 4799 N ILE B 153	2.463	9.916	61.583	1.00	39.10	B
	ATOM 4715 C GLU B 141	10.535	7.309	43.899	1.00	84.83	B	ATOM 4800 CA ILE B 153	3.519	10.924	61.567	1.00	39.10	B
5	ATOM 4716 O GLU B 141	10.379	8.132	44.794	1.00	88.51	B	ATOM 4801 CB ILE B 153	4.580	10.624	60.490	1.00	27.77	B
	ATOM 4717 N SER B 142	9.521	6.847	43.175	1.00	108.81	B	ATOM 4802 CG2 ILE B 153	5.355	9.382	60.856	1.00	24.55	B
	ATOM 4718 CA SER B 142	8.182	7.365	43.416	1.00	111.80	B	ATOM 4803 CG1 ILE B 153	3.907	10.457	59.131	1.00	24.55	B
	ATOM 4719 CB SER B 142	8.218	8.883	43.268	1.00	47.90	B	ATOM 4804 CD1 ILE B 153	4.881	10.158	58.010	1.00	24.55	B
	ATOM 4720 OG SER B 142	7.078	9.486	43.839	1.00	48.78	B	ATOM 4805 C ILE B 153	2.965	12.330	61.347	1.00	39.10	B
	ATOM 4721 C SER B 142	7.106	6.784	42.495	1.00	113.12	B	ATOM 4806 O ILE B 153	1.879	12.521	60.804	1.00	39.10	B
	ATOM 4722 O SER B 142	6.333	5.905	42.895	1.00	118.21	B	ATOM 4807 N THR B 154	3.750	13.310	61.774	1.00	43.97	B
	ATOM 4723 N GLY B 143	7.038	7.287	41.268	1.00	54.55	B	ATOM 4808 CA THR B 154	3.364	14.705	61.713	1.00	43.97	B
	ATOM 4724 CA GLY B 143	6.040	6.770	40.354	1.00	52.02	B	ATOM 4809 CB THR B 154	2.787	15.103	63.093	1.00	43.69	B
	ATOM 4725 C GLY B 143	6.527	5.530	39.625	1.00	50.09	B	ATOM 4810 OG1 THR B 154	1.360	15.135	63.011	1.00	53.97	B
	ATOM 4726 O GLY B 143	6.232	5.353	38.447	1.00	52.08	B	ATOM 4811 CG2 THR B 154	3.352	16.458	63.579	1.00	53.97	B
10	ATOM 4727 N GLN B 144	7.263	4.670	40.324	1.00	50.92	B	ATOM 4812 C THR B 154	4.494	15.665	61.349	1.00	43.97	B
	ATOM 4728 CA GLN B 144	7.813	3.447	39.740	1.00	45.45	B	ATOM 4813 O THR B 154	5.649	15.458	61.729	1.00	43.97	B
	ATOM 4729 CB GLN B 144	9.191	3.162	40.332	1.00	75.76	B	ATOM 4814 N LEU B 155	4.149	16.710	60.604	1.00	40.89	B
	ATOM 4730 CG GLN B 144	10.110	4.367	40.365	1.00	75.04	B	ATOM 4815 CA LEU B 155	5.104	17.757	60.242	1.00	40.89	B
	ATOM 4731 CD GLN B 144	11.515	4.026	40.832	1.00	75.01	B	ATOM 4816 CB LEU B 155	5.530	17.662	58.773	1.00	41.04	B
	ATOM 4732 OE1 GLN B 144	11.698	3.362	41.852	1.00	80.58	B	ATOM 4817 CG LEU B 155	6.594	18.694	58.351	1.00	37.62	B
	ATOM 4733 NE2 GLN B 144	12.517	4.495	40.093	1.00	73.55	B	ATOM 4818 CD1 LEU B 155	7.798	18.596	59.273	1.00	37.62	B
	ATOM 4734 C GLN B 144	6.936	2.223	39.954	1.00	47.25	B	ATOM 4819 CD2 LEU B 155	7.014	18.457	56.910	1.00	37.62	B
	ATOM 4735 O GLN B 144	7.052	1.245	39.232	1.00	49.56	B	ATOM 4820 C LEU B 155	4.411	19.103	60.496	1.00	40.89	B
	ATOM 4736 N VAL B 145	6.071	2.268	40.960	1.00	47.92	B	ATOM 4821 O LEU B 155	3.403	19.424	59.857	1.00	40.89	B
	ATOM 4737 CA VAL B 145	5.189	1.150	41.255	1.00	46.17	B	ATOM 4822 N LYS B 156	4.939	19.882	61.437	1.00	40.91	B
	ATOM 4738 CB VAL B 145	5.719	0.352	42.462	1.00	46.27	B	ATOM 4823 CA LYS B 156	4.329	21.157	61.773	1.00	40.91	B
15	ATOM 4739 CG1 VAL B 145	4.827	-0.846	42.745	1.00	44.43	B	ATOM 4824 CB LYS B 156	3.725	21.084	63.176	1.00	51.07	B
	ATOM 4740 CG2 VAL B 145	7.124	-0.104	42.181	1.00	43.35	B	ATOM 4825 CG LYS B 156	2.951	22.338	63.563	1.00	53.26	B
	ATOM 4741 C VAL B 145	3.789	1.669	41.556	1.00	47.28	B	ATOM 4826 CD LYS B 156	2.344	22.267	64.966	1.00	53.26	B
	ATOM 4742 O VAL B 145	3.581	2.367	42.546	1.00	49.96	B	ATOM 4827 CE LYS B 156	3.395	22.303	66.081	1.00	53.26	B
	ATOM 4743 N TYR B 146	2.832	1.332	40.697	1.00	48.65	B	ATOM 4828 NZ LYS B 156	2.782	22.405	67.441	1.00	53.26	B
	ATOM 4744 CA TYR B 146	1.461	1.787	40.884	1.00	46.86	B	ATOM 4829 C LYS B 156	5.291	22.338	61.706	1.00	40.91	B
	ATOM 4745 CB TYR B 146	1.242	3.165	40.226	1.00	38.71	B	ATOM 4830 O LYS B 156	6.402	22.266	62.226	1.00	40.91	B
	ATOM 4746 CG TYR B 146	1.737	3.259	38.799	1.00	38.74	B	ATOM 4831 N TYR B 157	4.850	23.417	61.062	1.00	39.57	B
	ATOM 4747 CD1 TYR B 146	3.067	3.564	38.522	1.00	38.13	B	ATOM 4832 CA TYR B 157	5.625	24.650	60.934	1.00	39.57	B
	ATOM 4748 CE1 TYR B 146	3.539	3.618	37.220	1.00	36.92	B	ATOM 4833 CB TYR B 157	5.747	25.076	59.468	1.00	47.66	B
	ATOM 4749 CD2 TYR B 146	0.888	3.010	37.734	1.00	34.33	B	ATOM 4834 CG TYR B 157	6.736	24.272	58.654	1.00	30.00	B
20	ATOM 4750 CE2 TYR B 146	1.346	3.059	36.420	1.00	36.38	B	ATOM 4835 CD1 TYR B 157	7.370	23.158	59.188	1.00	30.00	B
	ATOM 4751 CZ TYR B 146	2.673	3.363	36.168	1.00	36.42	B	ATOM 4836 CE1 TYR B 157	8.263	22.415	58.431	1.00	30.00	B
	ATOM 4752 OH TYR B 146	3.128	3.400	34.871	1.00	37.40	B	ATOM 4837 CD2 TYR B 157	7.028	24.621	57.328	1.00	30.00	B
	ATOM 4753 C TYR B 146	0.440	0.793	40.354	1.00	45.17	B	ATOM 4838 CE2 TYR B 157	7.927	23.878	56.562	1.00	30.00	B
	ATOM 4754 O TYR B 146	0.763	-0.127	39.599	1.00	43.34	B	ATOM 4839 CZ TYR B 157	8.537	22.782	57.124	1.00	30.00	B
	ATOM 4755 N PHE B 147	-0.806	1.011	40.752	1.00	36.22	B	ATOM 4840 OH TYR B 157	9.433	22.051	56.376	1.00	30.00	B
	ATOM 4756 CA PHE B 147	-1.910	0.144	40.387	1.00	35.74	B	ATOM 4841 C TYR B 157	4.880	25.733	61.719	1.00	39.57	B
	ATOM 4757 CB PHE B 147	-1.966	-0.987	41.418	1.00	37.66	B	ATOM 4842 O TYR B 157	3.677	25.930	61.531	1.00	39.57	B
	ATOM 4758 CG PHE B 147	-3.190	-1.850	41.347	1.00	36.71	B	ATOM 4843 N ASN B 158	5.594	26.433	62.594	1.00	40.67	B
	ATOM 4759 CD1 PHE B 147	-3.770	-2.182	40.131	1.00	37.20	B	ATOM 4844 CA ASN B 158	4.993	27.480	63.417	1.00	40.67	B
	ATOM 4760 CD2 PHE B 147	-3.719	-2.407	42.518	1.00	39.04	B	ATOM 4845 CB ASN B 158	4.948	27.002	64.880	1.00	26.81	B
25	ATOM 4761 CE1 PHE B 147	-4.856	-3.061	40.083	1.00	37.53	B	ATOM 4846 CG ASN B 158	4.308	28.004	65.832	1.00	37.51	B
	ATOM 4762 CE2 PHE B 147	-4.801	-3.285	42.479	1.00	37.61	B	ATOM 4847 OD1 ASN B 158	3.932	29.114	65.449	1.00	37.51	B
	ATOM 4763 CZ PHE B 147	-5.369	-3.615	41.267	1.00	38.45	B	ATOM 4848 ND2 ASN B 158	4.192	27.594	67.092	1.00	37.51	B
	ATOM 4764 C PHE B 147	-3.150	1.028	40.432	1.00	37.28	B	ATOM 4849 C ASN B 158	5.796	28.774	63.315	1.00	40.67	B
	ATOM 4765 O PHE B 147	-3.373	1.740	41.407	1.00	34.76	B	ATOM 4850 O ASN B 158	6.955	28.837	63.749	1.00	40.67	B
	ATOM 4766 N GLY B 148	-3.942	1.010	39.365	1.00	30.29	B	ATOM 4851 N TYR B 159	5.192	29.797	62.717	1.00	31.83	B
	ATOM 4767 CA GLY B 148	-5.127	1.842	39.351	1.00	34.77	B	ATOM 4852 CA TYR B 159	5.846	31.100	62.616	1.00	31.83	B
	ATOM 4768 C GLY B 148	-6.219	1.364	38.423	1.00	36.99	B	ATOM 4853 CB TYR B 159	5.708	31.700	61.220	1.00	31.53	B
	ATOM 4769 O GLY B 148	-6.010	0.462	37.605	1.00	39.60	B	ATOM 4854 CG TYR B 159	6.373	30.929	60.115	1.00	35.09	B
	ATOM 4770 N ILE B 149	-7.393	1.970	38.565	1.00	35.51	B	ATOM 4855 CD1 TYR B 159	5.741	29.841	59.526	1.00	35.09	B
	ATOM 4771 CA ILE B 149	-8.543	1.649	37.733	1.00	33.92	B	ATOM 4856 CE1 TYR B 159	6.301	29.187	58.444	1.00	35.09	B
30	ATOM 4772 CB ILE B 149	-9.384	0.483	38.307	1.00	45.17	B	ATOM 4857 CD2 TYR B 159	7.600	31.337	59.597	1.00	35.09	B
	ATOM 4773 CG2 ILE B 149	-8.500	-0.693	38.651	1.00	45.72	B	ATOM 4858 CE2 TYR B 159	8.171	30.687	58.515	1.00	35.09	B
	ATOM 4774 CG1 ILE B 149	-10.093	0.915	39.575	1.00	41.21	B	ATOM 4859 CZ TYR B 159	7.510	29.614	57.941	1.00	35.09	B
	ATOM 4775 CD1 ILE B 149	-11.056	-0.132	40.036	1.00	44.46	B	ATOM 4860 OH TYR B 159	8.048	28.987	56.837	1.00	35.09	B
	ATOM 4776 C ILE B 149	-9.429	2.874	37.638	1.00	35.96	B	ATOM 4861 C TYR B 159	5.144	32.030	63.586	1.00	31.83	B
	ATOM 4777 O ILE B 149	-9.509	3.683	38.564	1.00	41.13	B	ATOM 4862 O TYR B 159	3.914	32.146	63.538	1.00	31.83	B
	ATOM 4778 N ILE B 150	-10.097	3.000	36.509	1.00	34.81	B	ATOM 4863 N THR B 160	5.901	32.706	64.448	1.00	43.56	B
	ATOM 4779 CA ILE B 150	-10.984	4.126	36.273	1.00	35.32	B	ATOM 4864 CA THR B 160	5.267	33.609	65.403	1.00	43.56	B
	ATOM 4780 CB ILE B 150	-10.257	5.209	35.407	1.00	34.61	B	ATOM 4865 CB THR B 160	5.096	32.916	66.771	1.00	52.25	B
	ATOM 4781 CG2 ILE B 150	-9.717	4.594	34.139	1.00	37.91	B	ATOM 4866 OG1 THR B 160	4.406	31.668	66.605	1.00	39.59	B
	ATOM 4782 CG1 ILE B 150	-11.212	6.339	35.060	1.00	32.60	B	ATOM 4867 CG2 THR B 160	4.309	33.793	67.701	1.00	39.59	B
	ATOM 4783 CD1 ILE B 150	-11.575	7.211	36.241	1.00	30.61	B	ATOM 4868 C THR B 160	5.971	34.947	65.645	1.00	43.56	B
35														

65251/C766

1	ATOM 4877 N THR B 162	5.747	38.447	67.979	1.00	49.90	B	ATOM 4962 CB PHE B 173	10.499	29.883	62.407	1.00	53.31	B
	ATOM 4878 CA THR B 162	5.121	38.941	69.199	1.00	49.90	B	ATOM 4963 CG PHE B 173	10.262	28.703	61.538	1.00	35.13	B
	ATOM 4879 CB THR B 162	5.582	38.112	70.416	1.00	83.68	B	ATOM 4964 CD1 PHE B 173	9.015	28.498	60.965	1.00	35.13	B
	ATOM 4880 OG1 THR B 162	5.743	36.748	70.026	1.00	55.01	B	ATOM 4965 CD2 PHE B 173	11.260	27.747	61.364	1.00	35.13	B
	ATOM 4881 CG2 THR B 162	4.559	38.167	71.522	1.00	55.01	B	ATOM 4966 CE1 PHE B 173	8.757	27.359	60.237	1.00	35.13	B
	ATOM 4882 C THR B 162	5.495	40.389	69.453	1.00	49.90	B	ATOM 4967 CE2 PHE B 173	11.017	26.606	60.641	1.00	35.13	B
	ATOM 4883 O THR B 162	6.580	40.829	69.061	1.00	49.90	B	ATOM 4968 CZ PHE B 173	9.755	26.404	60.072	1.00	35.13	B
	ATOM 4884 N LEU B 163	4.606	41.133	70.110	1.00	71.09	B	ATOM 4969 C PHE B 173	10.345	28.353	64.345	1.00	37.69	B
	ATOM 4885 CA LEU B 163	4.894	42.524	70.423	1.00	71.09	B	ATOM 4970 O PHE B 173	11.486	28.169	64.762	1.00	37.69	B
5	ATOM 4886 CB LEU B 163	3.614	43.301	70.681	1.00	109.26	B	ATOM 4971 N TYR B 174	9.418	27.403	64.347	1.00	37.35	B
	ATOM 4887 CG LEU B 163	3.482	44.542	69.802	1.00	57.35	B	ATOM 4972 CA TYR B 174	9.721	26.066	64.812	1.00	37.35	B
	ATOM 4888 CD1 LEU B 163	2.302	45.352	70.287	1.00	57.35	B	ATOM 4973 CB TYR B 174	8.997	25.751	66.110	1.00	57.09	B
	ATOM 4889 CD2 LEU B 163	4.741	45.389	69.842	1.00	57.35	B	ATOM 4974 CG TYR B 174	9.461	26.552	67.281	1.00	43.13	B
	ATOM 4890 C LEU B 163	5.787	42.587	71.656	1.00	71.09	B	ATOM 4975 CD1 TYR B 174	8.679	27.592	67.787	1.00	43.13	B
	ATOM 4891 O LEU B 163	6.298	43.648	72.029	1.00	71.09	B	ATOM 4976 CE1 TYR B 174	9.096	28.335	68.898	1.00	43.13	B
	ATOM 4892 N LYS B 164	5.994	41.436	72.281	1.00	178.73	B	ATOM 4977 CD2 TYR B 174	10.676	26.271	67.906	1.00	43.13	B
	ATOM 4893 CA LYS B 164	6.829	41.384	73.467	1.00	178.73	B	ATOM 4978 CE2 TYR B 174	11.102	27.006	69.014	1.00	43.13	B
	ATOM 4894 CB LYS B 164	8.303	41.538	73.079	1.00	52.39	B	ATOM 4979 CZ TYR B 174	10.307	28.034	69.504	1.00	43.13	B
	ATOM 4895 CG LYS B 164	9.063	40.225	73.097	1.00	52.14	B	ATOM 4980 OH TYR B 174	10.709	28.763	70.599	1.00	43.13	B
	ATOM 4896 CD LYS B 164	9.038	39.593	74.485	1.00	52.14	B	ATOM 4981 C TYR B 174	9.281	25.062	63.774	1.00	37.35	B
10	ATOM 4897 CE LYS B 164	9.827	38.285	74.552	1.00	52.14	B	ATOM 4982 O TYR B 174	8.194	25.191	63.213	1.00	37.35	B
	ATOM 4898 NZ LYS B 164	9.961	37.758	75.971	1.00	52.14	B	ATOM 4983 N ASP B 175	10.134	24.059	63.542	1.00	41.75	B
	ATOM 4899 C LYS B 164	6.411	42.510	74.396	1.00	178.73	B	ATOM 4984 CA ASP B 175	9.889	22.965	62.600	1.00	41.75	B
	ATOM 4900 O LYS B 164	5.313	43.050	74.257	1.00	178.73	B	ATOM 4985 CB ASP B 175	11.046	22.863	61.604	1.00	56.86	B
	ATOM 4901 N ASP B 165	7.271	42.861	75.348	1.00	149.49	B	ATOM 4986 CG ASP B 175	10.810	21.823	60.533	1.00	45.07	B
	ATOM 4902 CA ASP B 165	6.954	43.945	76.263	1.00	149.49	B	ATOM 4987 OD1 ASP B 175	10.140	20.809	60.825	1.00	45.07	B
	ATOM 4903 CB ASP B 165	8.053	44.100	77.322	1.00	163.18	B	ATOM 4988 OD2 ASP B 175	11.309	22.008	59.403	1.00	45.07	B
	ATOM 4904 CG ASP B 165	9.447	44.130	76.721	1.00	163.18	B	ATOM 4989 C ASP B 175	9.843	21.711	63.468	1.00	41.75	B
	ATOM 4905 OD1 ASP B 165	9.754	45.082	75.966	1.00	163.18	B	ATOM 4990 O ASP B 175	10.846	21.324	64.070	1.00	41.75	B
	ATOM 4906 OD2 ASP B 165	10.232	43.195	77.007	1.00	163.18	B	ATOM 4991 N HIS B 176	8.681	21.082	63.551	1.00	42.80	B
	ATOM 4907 C ASP B 165	6.831	45.204	75.417	1.00	149.49	B	ATOM 4992 CA HIS B 176	8.538	19.879	64.368	1.00	42.80	B
15	ATOM 4908 O ASP B 165	6.187	45.192	74.363	1.00	149.49	B	ATOM 4993 CB HIS B 176	7.508	20.105	65.471	1.00	84.22	B
	ATOM 4909 N ASP B 166	7.453	46.291	75.851	1.00	65.56	B	ATOM 4994 CG HIS B 176	7.997	20.939	66.611	1.00	53.35	B
	ATOM 4910 CA ASP B 166	7.352	47.509	75.067	1.00	65.56	B	ATOM 4995 CD1 HIS B 176	7.667	22.193	67.003	1.00	53.35	B
	ATOM 4911 CB ASP B 166	7.243	48.725	75.993	1.00	200.84	B	ATOM 4996 ND1 HIS B 176	8.902	20.475	67.539	1.00	53.35	B
	ATOM 4912 CG ASP B 166	5.959	48.719	76.808	1.00	200.84	B	ATOM 4997 CE1 HIS B 176	9.105	21.404	68.457	1.00	53.35	B
	ATOM 4913 OD1 ASP B 166	5.754	47.766	77.590	1.00	200.84	B	ATOM 4998 NE2 HIS B 176	8.366	22.455	68.155	1.00	53.35	B
	ATOM 4914 OD2 ASP B 166	5.155	49.665	76.664	1.00	200.84	B	ATOM 4999 C HIS B 176	8.094	18.664	63.562	1.00	42.80	B
	ATOM 4915 C ASP B 166	8.484	47.693	74.052	1.00	65.56	B	ATOM 5000 O HIS B 176	7.097	18.715	62.838	1.00	42.80	B
	ATOM 4916 O ASP B 166	9.664	47.727	74.407	1.00	65.56	B	ATOM 5001 N TYR B 177	8.849	17.577	63.679	1.00	42.41	B
	ATOM 4917 N GLY B 167	8.104	47.770	72.777	1.00	60.37	B	ATOM 5002 CA TYR B 177	8.494	16.322	63.024	1.00	42.41	B
	ATOM 4918 CA GLY B 167	9.086	47.979	71.744	1.00	60.37	B	ATOM 5003 CB TYR B 177	9.713	15.650	62.410	1.00	54.84	B
20	ATOM 4919 C GLY B 167	8.958	47.240	70.424	1.00	60.37	B	ATOM 5004 CG TYR B 177	9.357	14.311	61.841	1.00	47.85	B
	ATOM 4920 O GLY B 167	7.989	47.380	69.660	1.00	60.37	B	ATOM 5005 CD1 TYR B 177	8.525	14.213	60.724	1.00	47.85	B
	ATOM 4921 N LEU B 168	9.996	46.455	70.167	1.00	49.81	B	ATOM 5006 CE1 TYR B 177	8.143	12.978	60.211	1.00	47.85	B
	ATOM 4922 CA LEU B 168	10.144	45.680	68.955	1.00	49.81	B	ATOM 5007 CD2 TYR B 177	9.804	13.135	62.437	1.00	47.85	B
	ATOM 4923 CB LEU B 168	11.603	45.223	68.873	1.00	51.56	B	ATOM 5008 CE2 TYR B 177	9.430	11.897	61.936	1.00	47.85	B
	ATOM 4924 CG LEU B 168	12.576	46.206	69.551	1.00	51.56	B	ATOM 5009 CZ TYR B 177	8.597	11.824	60.821	1.00	47.85	B
	ATOM 4925 CD1 LEU B 168	13.979	45.635	69.559	1.00	51.56	B	ATOM 5010 OH TYR B 177	8.207	10.604	60.309	1.00	47.85	B
	ATOM 4926 CD2 LEU B 168	12.547	47.541	68.839	1.00	51.56	B	ATOM 5011 C TYR B 177	8.003	15.501	64.206	1.00	42.41	B
	ATOM 4927 C LEU B 168	9.207	44.478	68.856	1.00	49.81	B	ATOM 5012 O TYR B 177	8.782	15.191	65.090	1.00	42.41	B
	ATOM 4928 O LEU B 168	8.479	44.137	69.792	1.00	49.81	B	ATOM 5013 N ASN B 178	6.725	15.146	64.236	1.00	40.24	B
	ATOM 4929 N TYR B 169	9.222	43.851	67.688	1.00	32.54	B	ATOM 5014 CA ASN B 178	6.191	14.425	65.394	1.00	40.24	B
25	ATOM 4930 CA TYR B 169	8.430	42.657	67.442	1.00	32.54	B	ATOM 5015 CB ASN B 178	6.925	13.102	65.658	1.00	55.50	B
	ATOM 4931 CB TYR B 169	7.649	42.775	66.138	1.00	57.17	B	ATOM 5016 CG ASN B 178	6.533	12.001	64.679	1.00	47.97	B
	ATOM 4932 CG TYR B 169	6.543	43.799	66.160	1.00	57.17	B	ATOM 5017 OD1 ASN B 178	5.572	12.137	63.920	1.00	47.97	B
	ATOM 4933 CD1 TYR B 169	6.820	45.167	66.052	1.00	57.17	B	ATOM 5018 ND2 ASN B 178	7.271	10.897	64.705	1.00	47.97	B
	ATOM 4934 CE1 TYR B 169	5.798	46.108	66.072	1.00	57.17	B	ATOM 5019 C ASN B 178	6.464	15.387	66.540	1.00	40.24	B
	ATOM 4935 CD2 TYR B 169	5.214	43.403	66.289	1.00	57.17	B	ATOM 5020 O ASN B 178	6.244	16.583	66.395	1.00	40.24	B
	ATOM 4936 CE2 TYR B 169	4.188	44.333	66.310	1.00	57.17	B	ATOM 5021 N ASP B 179	6.952	14.889	67.667	1.00	41.89	B
	ATOM 4937 CZ TYR B 169	4.487	45.681	66.201	1.00	57.17	B	ATOM 5022 CA ASP B 179	7.245	15.785	68.780	1.00	41.89	B
	ATOM 4938 OH TYR B 169	3.468	46.600	66.224	1.00	57.17	B	ATOM 5023 CB ASP B 179	6.839	15.146	70.125	1.00	42.10	B
	ATOM 4939 C TYR B 169	9.400	41.484	67.321	1.00	32.54	B	ATOM 5024 CG ASP B 179	7.472	13.782	70.356	1.00	46.05	B
	ATOM 4940 O TYR B 169	10.307	41.503	66.484	1.00	32.54	B	ATOM 5025 OD1 ASP B 179	8.253	13.323	69.493	1.00	46.05	B
	ATOM 4941 N ASP B 170	9.224	40.476	68.168	1.00	46.78	B	ATOM 5026 OD2 ASP B 179	7.182	13.165	71.410	1.00	46.05	B
30	ATOM 4942 CA ASP B 170	10.082	39.314	68.105	1.00	46.78	B	ATOM 5027 C ASP B 179	8.720	16.183	68.804	1.00	41.89	B
	ATOM 4943 CB ASP B 170	10.209	38.651	69.484	1.00	72.79	B	ATOM 5028 O ASP B 179	9.195	16.733	69.787	1.00	41.89	B
	ATOM 4944 CG ASP B 170	11.411	39.155	70.249	1.00	72.79	B	ATOM 5029 N GLN B 180	9.430	15.921	67.710	1.00	38.51	B
	ATOM 4945 OD1 ASP B 170	12.442	39.415	69.597	1.00	72.79	B	ATOM 5030 CA GLN B 180	10.855	16.231	67.603	1.00	38.51	B
	ATOM 4946 OD2 ASP B 170	11.340	39.277	71.489	1.00	72.79	B	ATOM 5031 CB GLN B 180	11.562	15.167	66.768	1.00	58.73	B
	ATOM 4947 C ASP B 170	9.523	38.330	67.100	1.00	46.78	B	ATOM 5032 CG GLN B 180	11.363	13.762	67.242	1.00	50.36	B
	ATOM 4948 O ASP B 170	8.331	38.325	66.820	1.00	46.78	B	ATOM 5033 CD GLN B 180	11.835	13.575	68.656	1.00	50.36	B
	ATOM 4949 N GLY B 171	10.393	37.509	66.535	1.00	36.17	B	ATOM 5034 OE1 GLN B 180	11.035	13.555	69.592	1.00	50.36	B
	ATOM 4950 CA GLY B 171	9.939	36.510	65.589	1.00	36.17	B	ATOM 5035 NE2 GLN B 180	13.150	13.452	68.827	1.00	50.36	B
	ATOM 4951 C GLY B 171	10.642	35.182	65.813	1.00	36.17	B	ATOM 5036 C GLN B 180	11.169	17.588	66.973	1.00	38.51	B
	ATOM 4952 O GLY B 171	11.855	35.147	66.022	1.00	36.17	B	ATOM 5037 O GLN B 180	10.811	17.838	65.822	1.00	38.51	B
35	ATOM 4953 N VAL B 172	9.869	34.099	65.807	1.00	39.26	B	ATOM 5038 N LEU B						

65251/C766

1	ATOM 5047 CA VAL B 182	13.999	19.945	63.823	1.00	40.21	B	ATOM 5132 CG ARG B 192	17.883	45.007	61.117	1.00	87.90	B
	ATOM 5048 CB VAL B 182	13.253	19.562	62.543	1.00	46.95	B	ATOM 5133 CD ARG B 192	16.690	45.071	62.054	1.00	87.90	B
	ATOM 5049 CG1 VAL B 182	14.234	19.445	61.389	1.00	25.43	B	ATOM 5134 NE ARG B 192	16.836	46.105	63.077	1.00	87.90	B
	ATOM 5050 CG2 VAL B 182	12.503	18.269	62.752	1.00	25.43	B	ATOM 5135 CZ ARG B 192	16.893	47.408	62.824	1.00	87.90	B
	ATOM 5051 C VAL B 182	14.771	21.227	63.560	1.00	40.21	B	ATOM 5136 NH1 ARG B 192	16.814	47.842	61.573	1.00	87.90	B
5	ATOM 5052 O VAL B 182	15.975	21.199	63.283	1.00	40.21	B	ATOM 5137 NH2 ARG B 192	17.026	48.275	63.822	1.00	87.90	B
	ATOM 5053 N THR B 183	14.071	22.353	63.644	1.00	40.06	B	ATOM 5138 C ARG B 192	17.273	41.349	60.070	1.00	59.03	B
	ATOM 5054 CA THR B 183	14.687	23.643	63.389	1.00	40.06	B	ATOM 5139 O ARG B 192	16.642	41.596	59.045	1.00	59.03	B
	ATOM 5055 CB THR B 183	14.549	24.042	61.903	1.00	56.68	B	ATOM 5140 N HIS B 193	17.624	40.115	60.419	1.00	47.20	B
	ATOM 5056 OG1 THR B 183	15.291	23.132	61.086	1.00	43.27	B	ATOM 5141 CA HIS B 193	17.236	38.951	59.633	1.00	47.20	B
10	ATOM 5057 CG2 THR B 183	15.050	25.460	61.681	1.00	43.27	B	ATOM 5142 CB HIS B 193	18.179	38.768	58.443	1.00	68.35	B
	ATOM 5058 C THR B 183	14.065	24.763	64.194	1.00	40.06	B	ATOM 5143 CG HIS B 193	19.540	38.268	58.806	1.00	68.35	B
	ATOM 5059 O THR B 183	12.849	24.795	64.376	1.00	40.06	B	ATOM 5144 CD2 HIS B 193	20.000	37.629	59.905	1.00	68.35	B
	ATOM 5060 N LYS B 184	14.906	25.667	64.690	1.00	38.10	B	ATOM 5145 ND1 HIS B 193	20.605	38.346	57.939	1.00	68.35	B
	ATOM 5061 CA LYS B 184	14.423	26.834	65.402	1.00	38.10	B	ATOM 5146 CE1 HIS B 193	21.663	37.774	58.485	1.00	68.35	B
15	ATOM 5062 CB LYS B 184	14.765	26.810	66.874	1.00	42.37	B	ATOM 5147 NE2 HIS B 193	21.322	37.331	59.679	1.00	68.35	B
	ATOM 5063 CG LYS B 184	14.306	28.088	67.553	1.00	34.21	B	ATOM 5148 C HIS B 193	17.239	37.737	60.570	1.00	47.20	B
	ATOM 5064 CD LYS B 184	14.651	28.133	69.028	1.00	34.21	B	ATOM 5149 O HIS B 193	17.708	37.834	61.704	1.00	47.20	B
	ATOM 5065 CE LYS B 184	14.194	29.447	69.654	1.00	34.21	B	ATOM 5150 N GLY B 194	16.715	36.603	60.120	1.00	49.06	B
	ATOM 5066 NZ LYS B 184	14.659	29.592	71.064	1.00	34.21	B	ATOM 5151 CA GLY B 194	16.657	35.443	60.996	1.00	49.06	B
20	ATOM 5067 C LYS B 184	15.113	28.027	64.772	1.00	38.10	B	ATOM 5152 C GLY B 194	17.948	34.673	61.135	1.00	49.06	B
	ATOM 5068 O LYS B 184	16.331	28.007	64.526	1.00	38.10	B	ATOM 5153 O GLY B 194	18.846	34.830	60.320	1.00	49.06	B
	ATOM 5069 N ILE B 185	14.327	29.057	64.479	1.00	42.04	B	ATOM 5154 N ASN B 195	18.044	33.849	62.178	1.00	45.65	B
	ATOM 5070 CA ILE B 185	14.854	30.268	63.878	1.00	42.04	B	ATOM 5155 CA ASN B 195	19.231	33.023	62.426	1.00	45.65	B
	ATOM 5071 CB ILE B 185	14.487	30.353	62.383	1.00	56.32	B	ATOM 5156 CB ASN B 195	20.112	33.587	63.545	1.00	57.59	B
25	ATOM 5072 CG2 ILE B 185	14.808	31.710	61.840	1.00	25.24	B	ATOM 5157 CG ASN B 195	20.809	34.856	63.159	1.00	57.59	B
	ATOM 5073 CG1 ILE B 185	15.294	29.333	61.595	1.00	25.24	B	ATOM 5158 OD1 ASN B 195	21.341	34.983	62.055	1.00	57.59	B
	ATOM 5074 CD1 ILE B 185	14.871	29.222	60.142	1.00	25.24	B	ATOM 5159 ND2 ASN B 195	20.832	35.804	64.076	1.00	57.59	B
	ATOM 5075 C ILE B 185	14.267	31.452	64.614	1.00	42.04	B	ATOM 5160 C ASN B 195	18.762	31.660	62.880	1.00	45.65	B
	ATOM 5076 O ILE B 185	13.098	31.441	64.990	1.00	42.04	B	ATOM 5161 O ASN B 195	17.801	31.565	63.651	1.00	45.65	B
30	ATOM 5077 N SER B 186	15.087	32.466	64.859	1.00	45.52	B	ATOM 5162 N VAL B 196	19.430	30.606	62.413	1.00	39.21	B
	ATOM 5078 CA SER B 186	14.597	33.660	65.531	1.00	45.52	B	ATOM 5163 CA VAL B 196	19.052	29.270	62.836	1.00	39.21	B
	ATOM 5079 CB SER B 186	14.940	33.637	67.017	1.00	72.85	B	ATOM 5164 CB VAL B 196	19.555	28.199	61.875	1.00	34.11	B
	ATOM 5080 OG SER B 186	16.272	33.250	67.218	1.00	61.96	B	ATOM 5165 CG1 VAL B 196	19.177	26.817	62.405	1.00	34.11	B
	ATOM 5081 C SER B 186	15.141	34.910	64.865	1.00	45.52	B	ATOM 5166 CG2 VAL B 196	18.952	28.419	60.510	1.00	34.11	B
35	ATOM 5082 O SER B 186	16.218	34.885	64.254	1.00	45.52	B	ATOM 5167 C VAL B 196	19.699	29.050	64.185	1.00	39.21	B
	ATOM 5083 N TYR B 187	14.367	35.991	64.959	1.00	36.43	B	ATOM 5168 O VAL B 196	20.918	29.077	64.291	1.00	39.21	B
	ATOM 5084 CA TYR B 187	14.733	37.248	64.345	1.00	36.43	B	ATOM 5169 N ASN B 197	18.884	28.848	65.213	1.00	55.18	B
	ATOM 5085 CB TYR B 187	13.509	38.136	64.210	1.00	77.63	B	ATOM 5170 CA ASN B 197	19.406	28.634	66.554	1.00	55.18	B
	ATOM 5086 CG TYR B 187	13.789	39.401	63.447	1.00	31.84	B	ATOM 5171 CB ASN B 197	18.457	29.202	67.612	1.00	62.15	B

65251/C766

1	ATOM	5217	CE2 TRP B 202	15.372	14.209	63.751	1.00	42.54	B	ATOM	5302	CA PRO B 212	11.253	25.646	52.001	1.00	40.60	B
	ATOM	5218	CE3 TRP B 202	15.746	13.589	61.436	1.00	42.54	B	ATOM	5303	CB PRO B 212	10.249	26.474	52.786	1.00	41.99	B
	ATOM	5219	CD1 TRP B 202	17.337	13.718	64.696	1.00	42.54	B	ATOM	5304	CG PRO B 212	9.135	25.491	53.018	1.00	41.99	B
	ATOM	5220	NE1 TRP B 202	16.072	14.211	64.929	1.00	42.54	B	ATOM	5305	C PRO B 212	12.683	26.185	52.135	1.00	40.60	B
	ATOM	5221	CZ2 TRP B 202	14.060	14.612	63.480	1.00	42.54	B	ATOM	5306	O PRO B 212	13.347	25.954	53.142	1.00	40.60	B
5	ATOM	5222	CZ3 TRP B 202	14.442	13.989	61.169	1.00	42.54	B	ATOM	5307	N GLY B 213	13.151	26.907	51.119	1.00	45.88	B
	ATOM	5223	CH2 TRP B 202	13.616	14.494	62.189	1.00	42.54	B	ATOM	5308	CA GLY B 213	14.492	27.469	51.153	1.00	45.88	B
	ATOM	5224	C TRP B 202	19.037	14.302	60.837	1.00	64.17	B	ATOM	5309	C GLY B 213	14.535	28.813	51.849	1.00	45.88	B
	ATOM	5225	O TRP B 202	18.819	13.526	59.901	1.00	64.17	B	ATOM	5310	O GLY B 213	13.502	29.298	52.310	1.00	45.88	B
	ATOM	5226	N PHE B 203	18.764	15.604	60.782	1.00	47.65	B	ATOM	5311	N ASN B 214	15.715	29.428	51.917	1.00	56.30	B
10	ATOM	5227	CA PHE B 203	18.136	16.200	59.614	1.00	47.65	B	ATOM	5312	CA ASN B 214	15.903	30.720	52.591	1.00	56.30	B
	ATOM	5228	CB PHE B 203	17.072	17.193	60.078	1.00	39.15	B	ATOM	5313	CB ASN B 214	15.076	31.827	51.952	1.00	82.78	B
	ATOM	5229	CG PHE B 203	16.210	17.724	58.971	1.00	39.15	B	ATOM	5314	CG ASN B 214	15.023	31.722	50.466	1.00	76.95	B
	ATOM	5230	CD1 PHE B 203	15.297	16.896	58.324	1.00	39.15	B	ATOM	5315	OD1 ASN B 214	15.838	31.044	49.853	1.00	76.95	B
	ATOM	5231	CD2 PHE B 203	16.303	19.054	58.573	1.00	39.15	B	ATOM	5316	ND2 ASN B 214	14.059	32.406	49.864	1.00	76.95	B
15	ATOM	5232	CE1 PHE B 203	14.484	17.394	57.290	1.00	39.15	B	ATOM	5317	C ASN B 214	15.434	30.566	54.019	1.00	56.30	B
	ATOM	5233	CE2 PHE B 203	15.504	19.555	57.552	1.00	39.15	B	ATOM	5318	O ASN B 214	14.613	31.352	54.497	1.00	56.30	B
	ATOM	5234	CZ PHE B 203	14.594	18.729	56.910	1.00	39.15	B	ATOM	5319	N ASP B 215	15.946	29.549	54.701	1.00	39.70	B
	ATOM	5235	C PHE B 203	19.116	16.897	58.689	1.00	47.65	B	ATOM	5320	CA ASP B 215	15.550	29.289	56.074	1.00	39.70	B
	ATOM	5236	O PHE B 203	19.641	17.955	59.032	1.00	47.65	B	ATOM	5321	CB ASP B 215	16.249	30.253	57.010	1.00	100.15	B
20	ATOM	5237	N ASN B 204	19.376	16.293	57.528	1.00	50.31	B	ATOM	5322	CG ASP B 215	17.738	30.206	56.852	1.00	72.49	B
	ATOM	5238	CA ASN B 204	20.258	16.895	56.531	1.00	50.31	B	ATOM	5323	OD1 ASP B 215	18.318	29.107	56.994	1.00	72.49	B
	ATOM	5239	CB ASN B 204	21.065	15.834	55.758	1.00	90.15	B	ATOM	5324	OD2 ASP B 215	18.333	31.266	56.578	1.00	72.49	B
	ATOM	5240	CG ASN B 204	21.770	16.409	54.528	1.00	90.15	B	ATOM	5325	C ASP B 215	14.046	29.425	56.198	1.00	39.70	B
	ATOM	5241	OD1 ASN B 204	21.116	16.891	53.611	1.00	90.15	B	ATOM	5326	O ASP B 215	13.557	30.311	56.889	1.00	39.70	B
25	ATOM	5242	ND2 ASN B 204	23.096	16.363	54.495	1.00	90.15	B	ATOM	5327	N TYR B 216	13.330	28.557	55.488	1.00	32.61	B
	ATOM	5243	C ASN B 204	19.295	17.617	55.598	1.00	50.31	B	ATOM	5328	CA TYR B 216	11.882	28.521	55.515	1.00	32.61	B
	ATOM	5244	O ASN B 204	18.685	16.995	54.736	1.00	50.31	B	ATOM	5329	CB TYR B 216	11.390	28.029	56.881	1.00	56.70	B
	ATOM	5245	N ILE B 205	19.152	18.928	55.780	1.00	57.35	B	ATOM	5330	CG TYR B 216	12.017	26.722	57.322	1.00	35.45	B
	ATOM	5246	CA ILE B 205	18.227	19.707	54.969	1.00	57.35	B	ATOM	5331	CD1 TYR B 216	13.366	26.657	57.655	1.00	35.45	B
30	ATOM	5247	CB ILE B 205	18.246	21.200	55.377	1.00	56.24	B	ATOM	5332	CE1 TYR B 216	13.943	25.478	58.061	1.00	35.45	B
	ATOM	5248	CG2 ILE B 205	19.411	21.914	54.735	1.00	56.24	B	ATOM	5333	CD2 TYR B 216	11.258	25.551	57.412	1.00	35.45	B
	ATOM	5249	CG1 ILE B 205	16.936	21.864	54.954	1.00	56.24	B	ATOM	5334	CE2 TYR B 216	11.831	24.363	57.826	1.00	35.45	B
	ATOM	5250	CD1 ILE B 205	16.657	23.158	55.685	1.00	56.24	B	ATOM	5335	CZ TYR B 216	13.175	24.338	58.148	1.00	35.45	B
	ATOM	5251	C ILE B 205	18.454	19.589	53.466	1.00	57.35	B	ATOM	5336	OH TYR B 216	13.763	23.175	58.566	1.00	35.45	B
35	ATOM	5252	O ILE B 205	17.564	19.900	52.680	1.00	57.35	B	ATOM	5337	C TYR B 216	11.223	29.853	55.195	1.00	32.61	B
	ATOM	5253	N SER B 206	19.633	19.133	53.063	1.00	49.65	B	ATOM	5338	O TYR B 216	10.159	30.168	55.748	1.00	32.61	B
	ATOM	5254	CA SER B 206	19.921	18.993	51.642	1.00	49.65	B	ATOM	5339	N ASN B 217	11.832	30.621	54.292	1.00	34.55	B
	ATOM	5255	CB SER B 206	21.418	18.836	51.398	1.00	52.52	B	ATOM	5340	CA ASN B 217	11.283	31.913	53.917	1.00	34.55	B
	ATOM	5256	OG SER B 206	22.095	20.031	51.716	1.00	52.52	B	ATOM	5341	CB ASN B 217	9.980	31.735	53.132	1.00	39.38	B
40	ATOM	5257	C SER B 206	19.201	17.788	51.081	1.00	49.65	B	ATOM	5342	CG ASN B 217	10.182	31.001	51.829	1.00	34.11	B
	ATOM	5258	O SER B 206	18.993	17.691	49.870	1.00	49.65	B	ATOM	5343	OD1 ASN B 217	9.521	29.999	51.576	1.00	34.11	B
	ATOM	5259	N ARG B 207	18.825	16.867	51.961	1.00	49.08	B	ATOM	5344	ND2 ASN B 217	11.094	31.490	50.994	1.00	34.11	B
	ATOM	5260	CA ARG B 207	18.124	15.673	51.535	1.00	49.08	B	ATOM	5345	C ASN B 217	10.998	32.720	55.177	1.00	34.55	B
	ATOM	5261	CB ARG B 207	18.536	14.474	52.389	1.00	69.41	B	ATOM	5346	O ASN B 217	10.003	33.451	55.244	1.00	34.55	B
45	ATOM	5262	CG ARG B 207	19.905	13.945	52.046	1.00	69.41	B	ATOM	5347	N PHE B 218	11.874	32.602	56.172	1.00	28.07	B
	ATOM	5263	CD ARG B 207	19.996	12.458	52.299	1.00	69.41	B	ATOM	5348	CA PHE B 218	11.657	33.298	57.428	1.00	28.07	B
	ATOM	5264	NE ARG B 207	20.131	12.122	53.715	1.00	69.41	B	ATOM	5349	CB PHE B 218	12.727	32.929	58.443	1.00	39.29	B
	ATOM	5265	CZ ARG B 207	19.742	10.962	54.246	1.00	69.41	B	ATOM	5350	CG PHE B 218	12.500	33.549	59.782	1.00	35.81	B
	ATOM	5266	NH1 ARG B 207	19.187	10.034	53.473	1.00	69.41	B	ATOM	5351	CD1 PHE B 218	11.646	32.951	60.699	1.00	35.81	B
50	ATOM	5267	NH2 ARG B 207	19.913	10.725	55.546	1.00	69.41	B	ATOM	5352	CD2 PHE B 218	13.098	34.760	60.107	1.00	35.81	B
	ATOM	5268	C ARG B 207	16.616	15.862	51.594	1.00	49.08	B	ATOM	5353	CE1 PHE B 218	11.387	33.548	61.924	1.00	35.81	B
	ATOM	5269	O ARG B 207	15.868	14.906	51.433	1.00	49.08	B	ATOM	5354	CE2 PHE B 218	12.847	35.368	61.323	1.00	35.81	B
	ATOM	5270	N SER B 208	16.168	17.095	51.831	1.00	46.55	B	ATOM	5355	CZ PHE B 218	11.986	34.758	62.239	1.00	35.81	B
	ATOM	5271	CA SER B 208	14.739	17.382	51.901	1.00	46.55	B	ATOM	5356	C PHE B 218	11.594	34.819	57.325	1.00	28.07	B
55	ATOM	5272	CB SER B 208	14.334	17.738	53.320	1.00	44.08	B	ATOM	5357	O PHE B 218	10.656	35.444	57.830	1.00	28.07	B
	ATOM	5273	OG SER B 208	12.932	17.918	53.392	1.00	44.08	B	ATOM	5358	N ASN B 219	12.594	35.418	56.693	1.00	37.00	B
	ATOM	5274	C SER B 208	14.372	18.523	50.963	1.00	46.55	B	ATOM	5359	CA ASN B 219	12.590	36.863	56.565	1.00	37.00	B
	ATOM	5275	O SER B 208	14.050	19.632	51.392	1.00	46.55	B	ATOM	5360	CB ASN B 219	13.786	37.351	55.753	1.00	40.42	B
	ATOM	5276	N PRO B 209	14.406	18.249	49.654	1.00	38.87	B	ATOM	5361	CG ASN B 219	15.102	36.913	56.340	1.00	32.05	B
60	ATOM	5277	CD PRO B 209	14.657	16.892	49.138	1.00	47.88	B	ATOM	5362	OD1 ASN B 219	15.266	36.854	57.558	1.00	32.05	

65251/C766

1	ATOM 5387 CZ3 TRP B 221	2.936	34.149	54.933	1.00	35.20	B	ATOM 5472 OE1 GLU B 231	-1.608	48.617	59.132	1.00	121.96	B
	ATOM 5388 CH2 TRP B 221	2.894	33.104	53.989	1.00	35.20	B	ATOM 5473 OE2 GLU B 231	-1.756	48.069	57.008	1.00	121.96	B
	ATOM 5389 C TRP B 221	7.241	36.696	57.954	1.00	39.06	B	ATOM 5474 C GLU B 231	-3.661	46.062	61.923	1.00	59.76	B
	ATOM 5390 O TRP B 221	6.271	37.367	58.317	1.00	39.06	B	ATOM 5475 O GLU B 231	-4.611	46.778	62.239	1.00	59.76	B
	ATOM 5391 N TYR B 222	8.413	36.755	58.572	1.00	46.48	B	ATOM 5476 N ILE B 232	-3.524	44.821	62.366	1.00	59.19	B
5	ATOM 5392 CA TYR B 222	8.574	37.643	59.710	1.00	46.48	B	ATOM 5477 CA ILE B 232	-4.498	44.222	63.263	1.00	59.19	B
	ATOM 5393 CB TYR B 222	10.033	37.738	60.123	1.00	30.81	B	ATOM 5478 CB ILE B 232	-4.108	42.769	63.620	1.00	80.54	B
	ATOM 5394 CG TYR B 222	10.243	38.824	61.141	1.00	29.38	B	ATOM 5479 CG2 ILE B 232	-4.906	42.277	64.816	1.00	50.59	B
	ATOM 5395 CD1 TYR B 222	9.886	38.631	62.477	1.00	29.38	B	ATOM 5480 CG1 ILE B 232	-4.357	41.857	62.426	1.00	50.59	B
	ATOM 5396 CE1 TYR B 222	10.021	39.652	63.402	1.00	29.38	B	ATOM 5481 CD1 ILE B 232	-3.976	40.411	62.691	1.00	50.59	B
10	ATOM 5397 CD2 TYR B 222	10.740	40.066	60.762	1.00	29.38	B	ATOM 5482 C ILE B 232	-4.640	45.020	64.555	1.00	59.19	B
	ATOM 5398 CE2 TYR B 222	10.877	41.094	61.674	1.00	29.38	B	ATOM 5483 O ILE B 232	-5.722	45.074	65.142	1.00	59.19	B
	ATOM 5399 CZ TYR B 222	10.513	40.884	62.991	1.00	29.38	B	ATOM 5484 N ASN B 233	-3.558	45.644	64.999	1.00	80.45	B
	ATOM 5400 OH TYR B 222	10.613	41.922	63.891	1.00	29.38	B	ATOM 5485 CA ASN B 233	-3.607	46.402	66.237	1.00	80.45	B
	ATOM 5401 C TYR B 222	8.088	39.049	59.359	1.00	46.48	B	ATOM 5486 CB ASN B 233	-2.224	46.451	66.886	1.00	79.11	B
15	ATOM 5402 O TYR B 222	7.274	39.657	60.054	1.00	46.48	B	ATOM 5487 CG ASN B 233	-1.803	45.108	67.463	1.00	68.03	B
	ATOM 5403 N SER B 223	8.614	39.558	58.263	1.00	34.83	B	ATOM 5488 OD1 ASN B 233	-2.639	44.322	67.916	1.00	68.03	B
	ATOM 5404 CA SER B 223	8.264	40.877	57.812	1.00	34.83	B	ATOM 5489 ND2 ASN B 233	-0.501	44.847	67.467	1.00	68.03	B
	ATOM 5405 CB SER B 223	9.092	41.206	56.596	1.00	35.31	B	ATOM 5490 C ASN B 233	-4.169	47.815	66.127	1.00	80.45	B
	ATOM 5406 OG SER B 223	8.658	42.435	56.067	1.00	33.93	B	ATOM 5491 O ASN B 233	-4.433	48.456	67.148	1.00	80.45	B
20	ATOM 5407 C SER B 223	6.779	41.077	57.489	1.00	34.83	B	ATOM 5492 N LYS B 234	-4.363	48.311	64.908	1.00	90.85	B
	ATOM 5408 O SER B 223	6.156	42.043	57.933	1.00	34.83	B	ATOM 5493 CA LYS B 234	-4.914	49.653	64.746	1.00	90.85	B
	ATOM 5409 N LEU B 224	6.215	40.164	56.705	1.00	41.87	B	ATOM 5494 CB LYS B 234	-4.802	50.110	63.294	1.00	63.67	B
	ATOM 5410 CA LEU B 224	4.818	40.256	56.321	1.00	41.87	B	ATOM 5495 CG LYS B 234	-3.373	50.460	62.920	1.00	63.67	B
	ATOM 5411 CB LEU B 224	4.505	39.231	55.241	1.00	58.24	B	ATOM 5496 CD LYS B 234	-3.246	50.940	61.491	1.00	63.67	B
25	ATOM 5412 CG LEU B 224	3.060	39.279	54.755	1.00	35.48	B	ATOM 5497 CE LYS B 234	-1.801	51.315	61.192	1.00	63.67	B
	ATOM 5413 CD1 LEU B 224	2.677	40.680	54.321	1.00	35.48	B	ATOM 5498 NZ LYS B 234	-1.579	51.662	59.755	1.00	63.67	B
	ATOM 5414 CD2 LEU B 224	2.906	38.315	53.613	1.00	35.48	B	ATOM 5499 C LYS B 234	-6.356	49.720	65.243	1.00	90.85	B
	ATOM 5415 C LEU B 224	3.890	40.062	57.510	1.00	41.87	B	ATOM 5500 O LYS B 234	-6.714	50.660	65.945	1.00	90.85	B
	ATOM 5416 O LEU B 224	2.810	40.649	57.558	1.00	41.87	B	ATOM 5501 N ASN B 235	-7.186	48.743	64.882	1.00	92.11	B
30	ATOM 5417 N MET B 225	4.306	39.238	58.469	1.00	51.73	B	ATOM 5502 CA ASN B 235	-8.553	48.719	65.394	1.00	92.11	B
	ATOM 5418 CA MET B 225	3.489	39.001	59.645	1.00	51.73	B	ATOM 5503 CB ASN B 235	-9.447	47.748	64.601	1.00	149.06	B
	ATOM 5419 CB MET B 225	3.949	37.750	60.370	1.00	73.83	B	ATOM 5504 CG ASN B 235	-10.842	47.597	65.219	1.00	149.06	B
	ATOM 5420 CG MET B 225	3.675	36.501	59.588	1.00	42.55	B	ATOM 5505 OD1 ASN B 235	-10.961	47.479	66.438	1.00	149.06	B
	ATOM 5421 SD MET B 225	4.035	35.041	60.525	1.00	42.55	B	ATOM 5506 ND2 ASN B 235	-11.898	47.589	64.403	1.00	149.06	B
35	ATOM 5422 CE MET B 225	2.839	35.210	61.865	1.00	42.55	B	ATOM 5507 C ASN B 235	-8.340	48.199	66.819	1.00	92.11	B
	ATOM 5423 C MET B 225	3.588	40.198	60.561	1.00	51.73	B	ATOM 5508 O ASN B 235	-8.014	47.030	67.018	1.00	92.11	B
	ATOM 5424 O MET B 225	2.629	40.556	61.238	1.00	51.73	B	ATOM 5509 N ASP B 236	-8.510	49.069	67.806	1.00	95.64	B
	ATOM 5425 N LYS B 226	4.759	40.822	60.582	1.00	51.23	B	ATOM 5510 CA ASP B 236	-8.287	48.699	69.197	1.00	95.64	B
	ATOM 5426 CA LYS B 226	4.959	41.995	61.410	1.00	51.23	B	ATOM 5511 CB ASP B 236	-8.478	49.935	70.082	1.00	136.32	B

65251/C766

1	ATOM 5557 C SER B 242	0.266	37.503	67.733	1.00	56.39	B	ATOM 5642 CD1 LEU B 254	-7.987	3.096	56.758	1.00	48.07	B
	ATOM 5558 O SER B 242	-0.964	37.453	67.822	1.00	56.39	B	ATOM 5643 CD2 LEU B 254	-5.576	3.071	56.109	1.00	48.07	B
	ATOM 5559 N LEU B 243	0.950	37.055	66.685	1.00	53.64	B	ATOM 5644 C LEU B 254	-5.588	7.337	56.851	1.00	56.64	B
	ATOM 5560 CA LEU B 243	0.322	36.463	65.518	1.00	53.64	B	ATOM 5645 O LEU B 254	-5.583	7.697	55.676	1.00	56.64	B
	ATOM 5561 CB LEU B 243	0.342	37.470	64.381	1.00	61.90	B	ATOM 5646 N LEU B 255	-5.853	8.158	57.864	1.00	43.85	B
5	ATOM 5562 CG LEU B 243	-0.509	37.129	63.163	1.00	38.03	B	ATOM 5647 CA LEU B 255	-6.160	9.568	57.636	1.00	43.85	B
	ATOM 5563 CD1 LEU B 243	-1.949	36.968	63.606	1.00	38.03	B	ATOM 5648 CB LEU B 255	-6.757	10.187	58.898	1.00	54.86	B
	ATOM 5564 CD2 LEU B 243	-0.403	38.224	62.123	1.00	38.03	B	ATOM 5649 CG LEU B 255	-7.953	9.457	59.510	1.00	54.86	B
	ATOM 5565 C LEU B 243	1.105	35.202	65.123	1.00	53.64	B	ATOM 5650 CD1 LEU B 255	-8.469	10.251	60.705	1.00	54.86	B
	ATOM 5566 O LEU B 243	2.339	35.191	65.158	1.00	53.64	B	ATOM 5651 CD2 LEU B 255	-9.049	9.291	58.476	1.00	54.86	B
10	ATOM 5567 N SER B 244	0.394	34.140	64.759	1.00	50.57	B	ATOM 5652 C LEU B 255	-4.934	10.368	57.212	1.00	43.85	B
	ATOM 5568 CA SER B 244	1.053	32.901	64.374	1.00	50.57	B	ATOM 5653 O LEU B 255	-3.805	10.048	57.579	1.00	43.85	B
	ATOM 5569 CB SER B 244	0.879	31.836	65.458	1.00	44.31	B	ATOM 5654 N PHE B 256	-5.161	11.405	56.423	1.00	37.72	B
	ATOM 5570 OG SER B 244	1.513	32.196	66.668	1.00	46.46	B	ATOM 5655 CA PHE B 256	-4.069	12.244	55.969	1.00	37.72	B
	ATOM 5571 C SER B 244	0.553	32.323	63.058	1.00	50.57	B	ATOM 5656 CB PHE B 256	-3.274	11.525	54.875	1.00	46.41	B
15	ATOM 5572 O SER B 244	-0.635	32.397	62.739	1.00	50.57	B	ATOM 5657 CG PHE B 256	-4.040	11.305	53.602	1.00	43.42	B
	ATOM 5573 N LEU B 245	1.477	31.755	62.290	1.00	44.59	B	ATOM 5658 CD1 PHE B 256	-3.931	12.193	52.539	1.00	43.42	B
	ATOM 5574 CA LEU B 245	1.141	31.098	61.035	1.00	44.59	B	ATOM 5659 CD2 PHE B 256	-4.869	10.196	53.456	1.00	43.42	B
	ATOM 5575 CB LEU B 245	2.028	31.604	59.910	1.00	42.30	B	ATOM 5660 CE1 PHE B 256	-4.631	11.975	51.355	1.00	43.42	B
	ATOM 5576 CG LEU B 245	1.782	30.881	58.592	1.00	26.29	B	ATOM 5661 CE2 PHE B 256	-5.578	9.976	52.262	1.00	43.42	B
20	ATOM 5577 CD1 LEU B 245	0.308	31.012	58.177	1.00	26.29	B	ATOM 5662 CZ PHE B 256	-5.456	10.862	51.220	1.00	43.42	B
	ATOM 5578 CD2 LEU B 245	2.699	31.450	57.530	1.00	26.29	B	ATOM 5663 C PHE B 256	-4.615	13.570	55.457	1.00	37.72	B
	ATOM 5579 C LEU B 245	1.387	29.597	61.267	1.00	44.59	B	ATOM 5664 O PHE B 256	-5.692	13.613	54.871	1.00	37.72	B
	ATOM 5580 O LEU B 245	2.528	29.159	61.377	1.00	44.59	B	ATOM 5665 N GLY B 257	-3.881	14.651	55.700	1.00	42.86	B
	ATOM 5581 N ILE B 246	0.310	28.825	61.374	1.00	39.61	B	ATOM 5666 CA GLY B 257	-4.315	15.958	55.242	1.00	42.86	B
25	ATOM 5582 CA ILE B 246	0.406	27.393	61.614	1.00	39.61	B	ATOM 5667 C GLY B 257	-3.277	17.019	55.536	1.00	42.86	B
	ATOM 5583 CB ILE B 246	-0.610	26.946	62.677	1.00	48.92	B	ATOM 5668 O GLY B 257	-2.215	16.712	56.080	1.00	42.86	B
	ATOM 5584 CG2 ILE B 246	-0.449	25.470	62.979	1.00	31.96	B	ATOM 5669 N SER B 258	-3.579	18.265	55.177	1.00	42.61	B
	ATOM 5585 CG1 ILE B 246	-0.410	27.767	63.954	1.00	31.96	B	ATOM 5670 CA SER B 258	-2.661	19.366	55.414	1.00	42.61	B
	ATOM 5586 CD1 ILE B 246	0.991	27.695	64.519	1.00	31.96	B	ATOM 5671 CB SER B 258	-1.914	19.720	54.136	1.00	39.72	B
30	ATOM 5587 C ILE B 246	0.124	26.641	60.333	1.00	39.61	B	ATOM 5672 OG SER B 258	-2.804	20.269	53.187	1.00	49.84	B
	ATOM 5588 O ILE B 246	-0.965	26.743	59.780	1.00	39.61	B	ATOM 5673 C SER B 258	-3.441	20.577	55.901	1.00	42.61	B
	ATOM 5589 N THR B 247	1.100	25.886	59.850	1.00	38.19	B	ATOM 5674 O SER B 258	-4.656	20.644	55.750	1.00	42.61	B
	ATOM 5590 CA THR B 247	0.908	25.134	58.626	1.00	38.19	B	ATOM 5675 N TYR B 259	-2.746	21.541	56.483	1.00	35.88	B
	ATOM 5591 CB THR B 247	1.407	25.922	57.421	1.00	39.28	B	ATOM 5676 CA TYR B 259	-3.423	22.717	56.983	1.00	35.88	B
35	ATOM 5592 OG1 THR B 247	0.976	25.264	56.230	1.00	36.52	B	ATOM 5677 CB TYR B 259	-3.878	22.473	58.426	1.00	47.90	B
	ATOM 5593 CG2 THR B 247	2.928	26.024	57.428	1.00	36.52	B	ATOM 5678 CG TYR B 259	-2.752	22.017	59.313	1.00	43.65	B
	ATOM 5594 C THR B 247	1.663	23.821	58.733	1.00	38.19	B	ATOM 5679 CD1 TYR B 259	-1.840	22.935	59.848	1.00	43.65	B
	ATOM 5595 O THR B 247	2.683	23.748	59.419	1.00	38.19	B	ATOM 5680 CE1 TYR B 259	-0.735	22.514	60.572	1.00	43.65	B
	ATOM 5596 N GLY B 248	1.154	22.783	58.073	1.00	34.37	B	ATOM 5681 CD2 TYR B 259	-2.529	20.664	59.537	1.00	43.65	B

65251/C766

1	ATOM 5727 CA ALA B 265	-3.217	35.301	71.037	1.00	71.63	B	ATOM 5812 OD2 ASP B 276	-12.693	27.873	49.361	1.00	98.51	B
	ATOM 5728 CB ALA B 265	-2.476	36.395	71.784	1.00	89.03	B	ATOM 5813 C ASP B 276	-9.491	29.819	46.647	1.00	57.53	B
	ATOM 5729 C ALA B 265	-4.636	35.146	71.586	1.00	71.63	B	ATOM 5814 O ASP B 276	-9.642	30.914	46.107	1.00	57.53	B
	ATOM 5730 O ALA B 265	-4.851	34.487	72.600	1.00	71.63	B	ATOM 5815 N LYS B 277	-8.315	29.400	47.115	1.00	66.28	B
	ATOM 5731 N ASN B 266	-5.599	35.749	70.893	1.00	92.80	B	ATOM 5816 CA LYS B 277	-7.101	30.221	47.041	1.00	66.28	B
5	ATOM 5732 CA ASN B 266	-7.003	35.691	71.281	1.00	92.80	B	ATOM 5817 CB LYS B 277	-6.720	30.467	45.579	1.00	82.20	B
	ATOM 5733 CB ASN B 266	-7.742	36.928	70.786	1.00	144.08	B	ATOM 5818 CG LYS B 277	-6.276	29.208	44.851	1.00	67.41	B
	ATOM 5734 CG ASN B 266	-7.089	38.201	71.242	1.00	85.93	B	ATOM 5819 CD LYS B 277	-6.220	29.425	43.351	1.00	67.41	B
	ATOM 5735 OD1 ASN B 266	-6.825	38.378	72.431	1.00	85.93	B	ATOM 5820 CE LYS B 277	-5.728	28.187	42.616	1.00	67.41	B
	ATOM 5736 ND2 ASN B 266	-6.821	39.102	70.302	1.00	85.93	B	ATOM 5821 NZ LYS B 277	-4.255	27.992	42.773	1.00	67.41	B
10	ATOM 5737 C ASN B 266	-7.704	34.453	70.747	1.00	92.80	B	ATOM 5822 C LYS B 277	-7.293	31.552	47.772	1.00	66.28	B
	ATOM 5738 O ASN B 266	-8.804	34.139	71.181	1.00	92.80	B	ATOM 5823 O LYS B 277	-6.998	32.618	47.237	1.00	66.28	B
	ATOM 5739 N GLY B 267	-7.077	33.763	69.798	1.00	53.93	B	ATOM 5824 N ARG B 278	-7.794	31.467	49.002	1.00	47.39	B
	ATOM 5740 CA GLY B 267	-7.665	32.555	69.244	1.00	53.93	B	ATOM 5825 CA ARG B 278	-8.057	32.639	49.832	1.00	47.39	B
	ATOM 5741 C GLY B 267	-7.614	32.473	67.737	1.00	53.93	B	ATOM 5826 CB ARG B 278	-9.308	33.351	49.334	1.00	104.52	B
15	ATOM 5742 O GLY B 267	-7.225	33.434	67.087	1.00	53.93	B	ATOM 5827 CG ARG B 278	-10.572	32.575	49.615	1.00	89.15	B
	ATOM 5743 N PRO B 268	-8.033	31.340	67.150	1.00	55.79	B	ATOM 5828 CD ARG B 278	-11.760	33.163	48.896	1.00	89.15	B
	ATOM 5744 CD PRO B 268	-8.797	30.267	67.807	1.00	42.67	B	ATOM 5829 NE ARG B 278	-12.998	32.476	49.258	1.00	89.15	B
	ATOM 5745 CA PRO B 268	-8.023	31.146	65.696	1.00	55.79	B	ATOM 5830 CZ ARG B 278	-14.138	32.579	48.581	1.00	89.15	B
	ATOM 5746 CB PRO B 268	-8.826	29.862	65.508	1.00	58.56	B	ATOM 5831 NH1 ARG B 278	-14.199	33.344	47.497	1.00	89.15	B
20	ATOM 5747 CG PRO B 268	-9.719	29.832	66.701	1.00	42.67	B	ATOM 5832 NH2 ARG B 278	-15.217	31.917	48.985	1.00	89.15	B
	ATOM 5748 C PRO B 268	-8.612	32.316	64.945	1.00	55.79	B	ATOM 5833 C ARG B 278	-8.280	32.192	51.283	1.00	47.39	B
	ATOM 5749 O PRO B 268	-9.639	32.852	65.335	1.00	55.79	B	ATOM 5834 O ARG B 278	-8.436	31.002	51.560	1.00	47.39	B
	ATOM 5750 N LEU B 269	-7.949	32.708	63.866	1.00	61.57	B	ATOM 5835 N PHE B 279	-8.294	33.139	52.211	1.00	53.81	B
	ATOM 5751 CA LEU B 269	-8.389	33.830	63.063	1.00	61.57	B	ATOM 5836 CA PHE B 279	-8.512	32.784	53.606	1.00	53.81	B
25	ATOM 5752 CB LEU B 269	-7.237	34.825	62.919	1.00	91.30	B	ATOM 5837 CB PHE B 279	-7.813	33.768	54.544	1.00	53.49	B
	ATOM 5753 CG LEU B 269	-7.572	36.238	62.447	1.00	56.64	B	ATOM 5838 CG PHE B 279	-6.350	33.518	54.703	1.00	37.26	B
	ATOM 5754 CD1 LEU B 269	-8.635	36.828	63.351	1.00	56.64	B	ATOM 5839 CD1 PHE B 279	-5.424	34.164	53.891	1.00	37.26	B
	ATOM 5755 CD2 LEU B 269	-6.322	37.107	62.465	1.00	56.64	B	ATOM 5840 CD2 PHE B 279	-5.889	32.641	55.674	1.00	37.26	B
	ATOM 5756 C LEU B 269	-8.904	33.398	61.686	1.00	61.57	B	ATOM 5841 CE1 PHE B 279	-4.056	33.940	54.050	1.00	37.26	B
30	ATOM 5757 O LEU B 269	-10.110	33.412	61.438	1.00	61.57	B	ATOM 5842 CE2 PHE B 279	-4.524	32.411	55.837	1.00	37.26	B
	ATOM 5758 N ALA B 270	-8.000	33.005	60.795	1.00	51.91	B	ATOM 5843 CZ PHE B 279	-3.608	33.062	55.025	1.00	37.26	B
	ATOM 5759 CA ALA B 270	-8.390	32.600	59.444	1.00	51.91	B	ATOM 5844 C PHE B 279	-9.996	32.778	53.927	1.00	53.81	B
	ATOM 5760 CB ALA B 270	-8.185	33.770	58.466	1.00	25.82	B	ATOM 5845 O PHE B 279	-10.780	33.468	53.279	1.00	53.81	B
	ATOM 5761 C ALA B 270	-7.656	31.363	58.929	1.00	51.91	B	ATOM 5846 N THR B 280	-10.375	32.002	54.937	1.00	63.30	B
35	ATOM 5762 O ALA B 270	-6.467	31.154	59.192	1.00	51.91	B	ATOM 5847 CA THR B 280	-11.764	31.921	55.358	1.00	63.30	B
	ATOM 5763 N ARG B 271	-8.380	30.570	58.154	1.00	52.73	B	ATOM 5848 CB THR B 280	-12.409	30.619	54.907	1.00	105.89	B
	ATOM 5764 CA ARG B 271	-7.875	29.329	57.584	1.00	52.73	B	ATOM 5849 OG1 THR B 280	-12.183	30.439	53.507	1.00	86.41	B
	ATOM 5765 CB ARG B 271	-8.876	28.224	57.923	1.00	51.88	B	ATOM 5850 CG2 THR B 280	-13.900	30.658	55.172	1.00	86.41	B
	ATOM 5766 CG ARG B 271	-8.678	26.939	57.215	1.00	45.00	B	ATOM 5851 C THR B 280	-11.842	31.976	56.873	1.00	63.30	B

65251/C766

1	ATOM 5897 CA GLY B 286	-14.664	37.032	61.137	1.00	79.92	B	ATOM 5982 ND2 ASN B 297	0.016	42.777	52.506	1.00	69.42	B
	ATOM 5898 C GLY B 286	-13.210	37.421	61.351	1.00	79.92	B	ATOM 5983 C ASN B 297	-0.941	42.762	48.376	1.00	57.39	B
	ATOM 5899 O GLY B 286	-12.679	37.247	62.450	1.00	79.92	B	ATOM 5984 O ASN B 297	-1.119	41.814	47.614	1.00	57.39	B
	ATOM 5900 N PHE B 287	-12.555	37.938	60.314	1.00	70.66	B	ATOM 5985 N THR B 298	0.055	43.620	48.238	1.00	58.64	B
	ATOM 5901 CA PHE B 287	-11.153	38.353	60.428	1.00	70.66	B	ATOM 5986 CA THR B 298	1.005	43.514	47.150	1.00	58.64	B
5	ATOM 5902 CB PHE B 287	-10.216	37.220	59.998	1.00	41.30	B	ATOM 5987 CB THR B 298	1.983	44.713	47.197	1.00	62.16	B
	ATOM 5903 CG PHE B 287	-10.252	36.914	58.524	1.00	41.30	B	ATOM 5988 OG1 THR B 298	3.172	44.397	46.465	1.00	62.16	B
	ATOM 5904 CD1 PHE B 287	-9.468	37.642	57.628	1.00	41.30	B	ATOM 5989 CG2 THR B 298	2.339	45.052	48.632	1.00	62.16	B
	ATOM 5905 CD2 PHE B 287	-11.081	35.898	58.023	1.00	41.30	B	ATOM 5990 C THR B 298	1.783	42.191	47.130	1.00	58.64	B
	ATOM 5906 CE1 PHE B 287	-9.511	37.360	56.241	1.00	41.30	B	ATOM 5991 O THR B 298	2.230	41.744	46.078	1.00	58.64	B
10	ATOM 5907 CE2 PHE B 287	-11.128	35.613	56.647	1.00	41.30	B	ATOM 5992 N LEU B 299	1.930	41.553	48.284	1.00	46.95	B
	ATOM 5908 CZ PHE B 287	-10.346	36.342	55.755	1.00	41.30	B	ATOM 5993 CA LEU B 299	2.673	40.292	48.364	1.00	46.95	B
	ATOM 5909 C PHE B 287	-10.866	39.598	59.600	1.00	70.66	B	ATOM 5994 CB LEU B 299	3.545	40.279	49.614	1.00	46.04	B
	ATOM 5910 O PHE B 287	-11.373	39.751	58.491	1.00	70.66	B	ATOM 5995 CG LEU B 299	4.640	41.338	49.626	1.00	46.04	B
	ATOM 5911 N PRO B 288	-10.036	40.507	60.130	1.00	56.08	B	ATOM 5996 CD1 LEU B 299	5.308	41.353	50.974	1.00	46.04	B
15	ATOM 5912 CD PRO B 288	-9.306	40.386	61.407	1.00	66.61	B	ATOM 5997 CD2 LEU B 299	5.622	41.043	48.519	1.00	46.04	B
	ATOM 5913 CA PRO B 288	-9.681	41.753	59.437	1.00	56.08	B	ATOM 5998 C LEU B 299	1.798	39.042	48.365	1.00	46.95	B
	ATOM 5914 CB PRO B 288	-8.860	42.506	60.478	1.00	66.61	B	ATOM 5999 O LEU B 299	2.295	37.935	48.575	1.00	46.95	B
	ATOM 5915 CG PRO B 288	-8.189	41.396	61.234	1.00	66.61	B	ATOM 6000 N TRP B 300	0.501	39.226	48.132	1.00	46.77	B
	ATOM 5916 C PRO B 288	-8.912	41.515	58.156	1.00	56.08	B	ATOM 6001 CA TRP B 300	-0.444	38.121	48.099	1.00	46.77	B
20	ATOM 5917 O PRO B 288	-7.885	40.859	58.161	1.00	56.08	B	ATOM 6002 CB TRP B 300	-1.794	38.591	47.574	1.00	46.03	B
	ATOM 5918 N LYS B 289	-9.417	42.042	57.051	1.00	65.90	B	ATOM 6003 CG TRP B 300	-2.804	37.514	47.553	1.00	46.03	B
	ATOM 5919 CA LYS B 289	-8.750	41.869	55.770	1.00	65.90	B	ATOM 6004 CD2 TRP B 300	-3.278	36.763	48.677	1.00	46.03	B
	ATOM 5920 CB LYS B 289	-9.755	41.990	54.620	1.00	100.30	B	ATOM 6005 CE2 TRP B 300	-4.222	35.836	48.190	1.00	46.03	B
	ATOM 5921 CG LYS B 289	-10.603	40.733	54.455	1.00	100.30	B	ATOM 6006 CE3 TRP B 300	-2.996	36.785	50.047	1.00	46.03	B
25	ATOM 5922 CD LYS B 289	-11.604	40.860	53.326	1.00	100.30	B	ATOM 6007 CD1 TRP B 300	-3.458	37.029	46.465	1.00	46.03	B
	ATOM 5923 CE LYS B 289	-12.727	41.831	53.683	1.00	100.30	B	ATOM 6008 NE1 TRP B 300	-4.313	36.019	46.837	1.00	46.03	B
	ATOM 5924 NZ LYS B 289	-13.752	41.951	52.596	1.00	100.30	B	ATOM 6009 CZ2 TRP B 300	-4.890	34.937	49.026	1.00	46.03	B
	ATOM 5925 C LYS B 289	-7.615	42.865	55.617	1.00	65.90	B	ATOM 6010 CZ3 TRP B 300	-3.658	35.893	50.880	1.00	46.03	B
	ATOM 5926 O LYS B 289	-7.736	43.872	54.927	1.00	65.90	B	ATOM 6011 CH2 TRP B 300	-4.598	34.978	50.364	1.00	46.03	B
30	ATOM 5927 N VAL B 290	-6.502	42.550	56.273	1.00	54.57	B	ATOM 6012 C TRP B 300	0.047	36.977	47.231	1.00	46.77	B
	ATOM 5928 CA VAL B 290	-5.300	43.373	56.262	1.00	54.57	B	ATOM 6013 O TRP B 300	-0.092	35.808	47.612	1.00	46.77	B
	ATOM 5929 CB VAL B 290	-5.171	44.171	57.574	1.00	52.01	B	ATOM 6014 N LYS B 301	0.618	37.308	46.071	1.00	36.79	B
	ATOM 5930 CG1 VAL B 290	-6.461	44.909	57.850	1.00	52.01	B	ATOM 6015 CA LYS B 301	1.118	36.280	45.159	1.00	36.79	B
	ATOM 5931 CG2 VAL B 290	-4.849	43.232	58.730	1.00	52.01	B	ATOM 6016 CB LYS B 301	1.733	36.911	43.904	1.00	96.13	B
35	ATOM 5932 C VAL B 290	-4.064	42.490	56.124	1.00	54.57	B	ATOM 6017 CG LYS B 301	0.744	37.753	43.097	1.00	96.13	B
	ATOM 5933 O VAL B 290	-4.138	41.266	56.269	1.00	54.57	B	ATOM 6018 CD LYS B 301	-0.592	37.023	42.865	1.00	96.13	B
	ATOM 5934 N GLY B 291	-2.928	43.119	55.848	1.00	43.80	B	ATOM 6019 CE LYS B 301	-1.699	37.991	42.452	1.00	96.13	B
	ATOM 5935 CA GLY B 291	-1.682	42.384	55.711	1.00	43.80	B	ATOM 6020 NZ LYS B 301	-3.054	37.397	42.598	1.00	96.13	B
	ATOM 5936 C GLY B 291	-1.712	41.162	54.809	1.00	43.80	B	ATOM 6021 C LYS B 301	2.134	35.378	45.844	1.00	36.79	B

65251/C766

1	ATOM	6067	CG	LEU	B	307	-0.373	29.417	53.563	1.00	33.73	B
	ATOM	6068	CD1	LEU	B	307	0.122	28.471	54.650	1.00	33.73	B
	ATOM	6069	CD2	LEU	B	307	-1.150	30.563	54.177	1.00	33.73	B
	ATOM	6070	C	LEU	B	307	0.762	28.014	51.263	1.00	35.43	B
	ATOM	6071	O	LEU	B	307	0.634	26.847	51.620	1.00	35.43	B
5	ATOM	6072	N	GLY	B	308	0.133	28.517	50.205	1.00	38.82	B
	ATOM	6073	CA	GLY	B	308	-0.743	27.687	49.413	1.00	38.82	B
	ATOM	6074	C	GLY	B	308	-0.016	26.495	48.839	1.00	38.82	B
	ATOM	6075	O	GLY	B	308	-0.500	25.372	48.935	1.00	38.82	B
	ATOM	6076	N	GLY	B	309	1.148	26.725	48.244	1.00	37.32	B
10	ATOM	6077	CA	GLY	B	309	1.896	25.623	47.657	1.00	37.32	B
	ATOM	6078	C	GLY	B	309	2.259	24.514	48.634	1.00	37.32	B
	ATOM	6079	O	GLY	B	309	2.057	23.323	48.361	1.00	37.32	B
	ATOM	6080	N	PHE	B	310	2.798	24.915	49.783	1.00	43.11	B
	ATOM	6081	CA	PHE	B	310	3.212	23.986	50.816	1.00	43.11	B
15	ATOM	6082	CB	PHE	B	310	3.763	24.772	51.998	1.00	40.30	B
	ATOM	6083	CG	PHE	B	310	4.448	23.926	53.032	1.00	36.13	B
	ATOM	6084	CD1	PHE	B	310	5.573	23.179	52.702	1.00	36.13	B
	ATOM	6085	CD2	PHE	B	310	3.977	23.886	54.350	1.00	36.13	B
	ATOM	6086	CE1	PHE	B	310	6.226	22.402	53.664	1.00	36.13	B
20	ATOM	6087	CE2	PHE	B	310	4.627	23.110	55.323	1.00	36.13	B
	ATOM	6088	CZ	PHE	B	310	5.751	22.369	54.974	1.00	36.13	B
	ATOM	6089	C	GLU	B	310	2.019	23.150	51.253	1.00	43.11	B
	ATOM	6090	O	PHE	B	310	2.112	21.925	51.405	1.00	43.11	B
	ATOM	6091	N	GLU	B	311	0.896	23.827	51.455	1.00	44.80	B
25	ATOM	6092	CA	GLU	B	311	-0.320	23.171	51.893	1.00	44.80	B
	ATOM	6093	CB	GLU	B	311	-1.353	24.206	52.332	1.00	80.04	B
	ATOM	6094	CG	GLU	B	311	-2.394	23.646	53.276	1.00	64.27	B
	ATOM	6095	CD	GLU	B	311	-3.517	24.620	53.565	1.00	64.27	B
	ATOM	6096	OE1	GLU	B	311	-3.252	25.833	53.682	1.00	64.27	B
30	ATOM	6097	OE2	GLU	B	311	-4.671	24.174	53.692	1.00	64.27	B
	ATOM	6098	C	GLU	B	311	-0.909	22.314	50.790	1.00	44.80	B
	ATOM	6099	O	GLU	B	311	-1.479	21.269	51.055	1.00	44.80	B
	ATOM	6100	N	TYR	B	312	-0.770	22.753	49.548	1.00	39.84	B
	ATOM	6101	CA	TYR	B	312	-1.324	21.999	48.437	1.00	39.84	B
35	ATOM	6102	CB	TYR	B	312	-1.284	22.811	47.151	1.00	52.75	B
	ATOM	6103	CG	TYR	B	312	-1.927	22.084	45.998	1.00	47.45	B
	ATOM	6104	CD1	TYR	B	312	-3.319	21.936	45.928	1.00	47.45	B
	ATOM	6105	CE1	TYR	B	312	-3.925	21.232	44.876	1.00	47.45	B
	ATOM	6106	CD2	TYR	B	312	-1.153	21.509	44.987	1.00	47.45	B
40	ATOM	6107	CE2	TYR	B	312	-1.748	20.798	43.932	1.00	47.45	B
	ATOM	6108	CZ	TYR	B	312	-3.135	20.663	43.882	1.00	47.45	B
	ATOM	6109	OH	TYR	B	312	-3.736	19.966	42.850	1.00	47.45	B
	ATOM	6110	C	TYR	B	312	-0.621	20.683	48.184	1.00	39.84	B
	ATOM	6111	O	TYR	B	312	-1.266	19.710	47.823	1.00	39.84	B
45	ATOM	6112	N	MET	B	313	0.696	20.642	48.361	1.00	42.19	B
	ATOM	6113	CA	MET	B	313	1.422	19.409	48.101	1.00	42.19	B
	ATOM	6114	CB	MET	B	313	1.525	19.182	46.594	1.00	64.59	B
	ATOM	6115	CG	MET	B	313	2.204	17.894	46.220	1.00	64.44	B
	ATOM	6116	SD	MET	B	313	2.388	17.757	44.452	1.00	64.44	B
50	ATOM	6117	CE	MET	B	313	0.696	17.888	43.913	1.00	64.44	B
	ATOM	6118	C	MET	B	313	2.814	19.381	48.696	1.00	42.19	B
	ATOM	6119	O	MET	B	313	3.300	18.326	49.108	1.00	42.19	B
	ATOM	6120	N	GLY	B	314	3.461	20.541	48.726	1.00	42.13	B
	ATOM	6121	CA	GLY	B	314	4.809	20.622	49.253	1.00	42.13	B
55	ATOM	6122	C	GLY	B	314	5.028	19.852	50.536	1.00	42.13	B
	ATOM	6123	O	GLY	B	314	5.912	18.990	50.627	1.00	42.13	B
	ATOM	6124	N	CYS	B	315	4.216	20.167	51.536	1.00	46.13	B
	ATOM	6125	CA	CYS	B	315	4.342	19.516	52.820	1.00	46.13	B
	ATOM	6126	CB	CYS	B	315	3.303	20.076	53.777	1.00	56.37	B
60	ATOM	6127	SG	CYS	B	315	3.661	19.641	55.475	1.00	61.74	B
	ATOM	6128	C	CYS	B	315	4.226	17.986	52.753	1.00	46.13	B
	ATOM	6129	O	CYS	B	315	5.106	17.270	53.245	1.00	46.13	B
	ATOM	6130	N	SER	B	316	3.147	17.482	52.154	1.00	43.91	B
	ATOM	6131	CA	SER	B	316	2.952	16.035	52.046	1.00	43.91	B
65	ATOM	6132	CB	SER	B	316	1.707	15.722	51.230	1.00	46.87	B
	ATOM	6133	OG	SER	B	316	1.893	16.081	49.876	1.00	52.37	B
	ATOM	6134	C	SER	B	316	4.145	15.316	51.413	1.00	43.91	B
	ATOM	6135	O	SER	B	316	4.381	14.144	51.696	1.00	43.91	B
	ATOM	6136	N	LEU	B	317	4.880	16.001	50.537	1.00	40.03	B
70	ATOM	6137	CA	LEU	B	317	6.056	15.408	49.920	1.00	40.03	B
	ATOM	6138	CB	LEU	B	317	6.402	16.142	48.630	1.00	44.23	B
	ATOM	6139	CG	LEU	B	317	5.427	15.943	47.469	1.00	36.74	B
	ATOM	6140	CD1	LEU	B	317	5.796	16.853	46.303	1.00	36.74	B
	ATOM	6141	CD2	LEU	B	317	5.453	14.487	47.040	1.00	36.74	B
75	ATOM	6142	C	LEU	B	317	7.240	15.495	50.895	1.00	40.03	B
	ATOM	6143	O	LEU	B	317	7.986	14.538	51.084	1.00	40.03	B
	ATOM	6144	N	ALA	B	318	7.393	16.645	51.535	1.00	37.43	B
	ATOM	6145	CA	ALA	B	318	8.490	16.851	52.461	1.00	37.43	B
	ATOM	6146	CB	ALA	B	318	8.484	18.293	52.949	1.00	37.40	B
80	ATOM	6147	C	ALA	B	318	8.439	15.899	53.647	1.00	37.43	B
	ATOM	6148	O	ALA	B	318	9.451	15.288	54.013	1.00	37.43	B
	ATOM	6149	N	ILE	B	319	7.263	15.771	54.253	1.00	37.68	B
	ATOM	6150	CA	ILE	B	319	7.127	14.903	55.417	1.00	37.68	B
	ATOM	6151	CB	ILE	B	319	5.650	14.720	55.822	1.00	49.36	B
85	ATOM	6152	CG2	ILE	B	319	4.945	13.851	54.828	1.00	23.92	B
	ATOM	6153	CG1	ILE	B	319	5.573	14.082	57.217	1.00	23.92	B
	ATOM	6154	CD1	ILE	B	319	4.164	14.019	57.810	1.00	23.92	B
	ATOM	6155	C	ILE	B	319	7.765	13.527	55.216	1.00	37.68	B
	ATOM	6156	O	ILE	B	319	8.270	12.935	56.160	1.00	37.68	B
90	ATOM	6157	N	LEU	B	320	7.749	13.025	53.986	1.00	41.23	B
	ATOM	6158	CA	LEU	B	320	8.340	11.719	53.698	1.00	41.23	B
	ATOM	6159	CB	LEU	B	320	7.889	11.235	52.318	1.00	66.95	B
	ATOM	6160	CG	LEU	B	320	6.381	10.970	52.170	1.00	44.79	B
	ATOM	6161	CD1	LEU	B	320	6.073	10.480	50.761	1.00	44.79	B
95	ATOM	6162	CD2	LEU	B	320	5.934	9.934	53.192	1.00	44.79	B
	ATOM	6163	C	LEU	B	320	9.878	11.732	53.793	1.00	41.23	B
	ATOM	6164	O	LEU	B	320	10.490	10.728	54.151	1.00	41.23	B
	ATOM	6165	N	ASP	B	321	10.501	12.870	53.481	1.00	53.93	B
	ATOM	6166	CA	ASP	B	321	11.943	12.973	53.570	1.00	53.93	B
100	ATOM	6167	CB	ASP	B	321	12.436	14.235	52.872	1.00	90.40	B
	ATOM	6168	CG	ASP	B	321	12.308	14.151	51.363	1.00	69.40	B
	ATOM	6169	OD1	ASP	B	321	12.647	13.088	50.812	1.00	69.40	B
	ATOM	6170	OD2	ASP	B	321	11.886	15.151	50.727	1.00	69.40	B
	ATOM	6171	C	ASP	B	321	12.335	12.996	55.044	1.00	53.93	B
105	ATOM	6172	O	ASP	B	321	13.345	12.396	55.434	1.00	53.93	B
	ATOM	6173	N	TYR	B	322	11.540	13.681	55.866	1.00	56.60	B
	ATOM	6174	CA	TYR	B	322	11.831	13.746	57.295	1.00	56.60	B
	ATOM	6175	CB	TYR	B	322	10.810	14.607	58.039	1.00	42.87	B

65251/C766

1	ATOM 6237 O LYS B 329	16.144	10.137	67.134	1.00	61.07	B	ATOM 6322 CA THR B 341	-16.204	2.746	78.707	1.00	81.07	B
	ATOM 6238 N ILE B 330	14.754	8.538	66.456	1.00	48.24	B	ATOM 6323 CB THR B 341	-15.474	3.230	79.969	1.00	101.04	B
	ATOM 6239 CA ILE B 330	13.682	9.049	67.325	1.00	48.24	B	ATOM 6324 OG1 THR B 341	-14.275	2.468	80.143	1.00	82.40	B
	ATOM 6240 CB ILE B 330	12.668	9.957	66.557	1.00	41.26	B	ATOM 6325 CG2 THR B 341	-16.359	3.057	81.198	1.00	82.40	B
	ATOM 6241 CG2 ILE B 330	13.404	11.102	65.864	1.00	42.18	B	ATOM 6326 C THR B 341	-17.521	3.497	78.589	1.00	83.22	B
	ATOM 6242 CG1 ILE B 330	11.871	9.134	65.539	1.00	42.18	B	ATOM 6327 O THR B 341	-17.583	4.583	78.014	1.00	84.82	B
	ATOM 6243 CD1 ILE B 330	10.647	9.828	65.047	1.00	42.18	B	ATOM 6328 N GLY B 342	-18.572	2.913	79.150	1.00	147.83	B
	ATOM 6244 C ILE B 330	12.918	7.895	67.962	1.00	48.24	B	ATOM 6329 CA GLY B 342	-19.873	3.546	79.094	1.00	152.00	B
	ATOM 6245 O ILE B 330	13.102	6.747	67.566	1.00	48.24	B	ATOM 6330 C GLY B 342	-20.324	4.094	80.432	1.00	150.97	B
5	ATOM 6246 N PRO B 331	12.047	8.177	68.955	1.00	48.99	B	ATOM 6331 O GLY B 342	-21.305	3.615	81.000	1.00	145.24	B
	ATOM 6247 CD PRO B 331	11.670	9.497	69.477	1.00	40.27	B	ATOM 6332 N ASN B 343	-19.609	5.092	80.942	1.00	87.50	B
	ATOM 6248 CA PRO B 331	11.264	7.133	69.630	1.00	48.99	B	ATOM 6333 CA ASN B 343	-19.963	5.714	82.216	1.00	93.91	B
	ATOM 6249 CB PRO B 331	10.191	7.925	70.354	1.00	184.25	B	ATOM 6334 CB ASN B 343	-18.874	6.688	82.661	1.00	176.87	B
	ATOM 6250 CG PRO B 331	10.907	9.116	70.733	1.00	40.27	B	ATOM 6335 CG ASN B 343	-17.499	6.058	82.681	1.00	156.67	B
	ATOM 6251 C PRO B 331	10.663	6.156	68.635	1.00	48.99	B	ATOM 6336 OD1 ASN B 343	-17.246	5.109	83.423	1.00	156.67	B
	ATOM 6252 O PRO B 331	10.129	6.564	67.602	1.00	48.99	B	ATOM 6337 ND2 ASN B 343	-16.598	6.587	81.861	1.00	156.67	B
	ATOM 6253 N LYS B 332	10.761	4.868	68.944	1.00	52.71	B	ATOM 6338 C ASN B 343	-21.259	6.486	82.014	1.00	91.97	B
	ATOM 6254 CA LYS B 332	10.214	3.829	68.081	1.00	53.33	B	ATOM 6339 O ASN B 343	-21.932	6.303	81.007	1.00	80.60	B
	ATOM 6255 CB LYS B 332	10.725	2.463	68.521	1.00	120.91	B	ATOM 6340 N GLU B 344	-21.605	7.348	82.966	1.00	168.21	B
	ATOM 6256 CG LYS B 332	10.311	2.117	69.930	1.00	92.45	B	ATOM 6341 CA GLU B 344	-22.818	8.156	82.860	1.00	168.21	B
10	ATOM 6257 CD LYS B 332	10.396	0.627	70.183	1.00	92.45	B	ATOM 6342 CB GLU B 344	-24.058	7.299	83.143	1.00	200.10	B
	ATOM 6258 CE LYS B 332	9.775	0.269	71.524	1.00	92.45	B	ATOM 6343 CG GLU B 344	-24.604	6.633	81.881	1.00	180.00	B
	ATOM 6259 NZ LYS B 332	9.750	-1.200	71.738	1.00	92.45	B	ATOM 6344 CD GLU B 344	-25.718	5.643	82.148	1.00	180.00	B
	ATOM 6260 C LYS B 332	8.692	3.842	68.170	1.00	52.40	B	ATOM 6345 OE1 GLU B 344	-25.429	4.538	82.651	1.00	180.00	B
	ATOM 6261 O LYS B 332	8.123	4.328	69.152	1.00	50.49	B	ATOM 6346 OE2 GLU B 344	-26.886	5.971	81.855	1.00	180.00	B
	ATOM 6262 N ASP B 333	8.033	3.316	67.140	1.00	54.99	B	ATOM 6347 C GLU B 344	-22.757	9.367	83.785	1.00	168.21	B
	ATOM 6263 CA ASP B 333	6.573	3.247	67.127	1.00	54.45	B	ATOM 6348 O GLU B 344	-22.844	9.245	85.006	1.00	168.21	B
	ATOM 6264 CB ASP B 333	6.080	2.668	65.800	1.00	147.91	B	ATOM 6349 N LEU B 345	-22.608	10.538	83.170	1.00	200.84	B
	ATOM 6265 CG ASP B 333	5.855	3.732	64.748	1.00	115.50	B	ATOM 6350 CA LEU B 345	-22.481	11.806	83.882	1.00	200.84	B
	ATOM 6266 OD1 ASP B 333	6.648	4.696	64.696	1.00	115.50	B	ATOM 6351 CB LEU B 345	-21.903	12.869	82.934	1.00	151.36	B
	ATOM 6267 OD2 ASP B 333	4.890	3.601	63.965	1.00	115.50	B	ATOM 6352 CG LEU B 345	-20.510	12.605	82.337	1.00	104.15	B
15	ATOM 6268 C ASP B 333	6.099	2.366	68.278	1.00	58.30	B	ATOM 6353 CD1 LEU B 345	-20.080	13.787	81.477	1.00	104.15	B
	ATOM 6269 O ASP B 333	6.717	1.355	68.602	1.00	57.95	B	ATOM 6354 CD2 LEU B 345	-19.497	12.381	83.447	1.00	104.15	B
	ATOM 6270 N THR B 334	5.003	2.763	68.903	1.00	52.93	B	ATOM 6355 C LEU B 345	-23.723	12.363	84.591	1.00	200.84	B
	ATOM 6271 CA THR B 334	4.468	1.999	70.010	1.00	52.65	B	ATOM 6356 O LEU B 345	-23.913	13.578	84.660	1.00	200.84	B
	ATOM 6272 CB THR B 334	4.867	2.635	71.348	1.00	73.63	B	ATOM 6357 N GLU B 346	-24.560	11.471	85.112	1.00	200.84	B
	ATOM 6273 OG1 THR B 334	6.251	2.357	71.598	1.00	59.53	B	ATOM 6358 CA GLU B 346	-25.757	11.842	85.873	1.00	200.84	B
	ATOM 6274 CG2 THR B 334	4.021	2.090	72.483	1.00	59.53	B	ATOM 6359 CB GLU B 346	-25.327	12.611	87.124	1.00	168.29	B
	ATOM 6275 C THR B 334	2.958	1.912	69.912	1.00	59.09	B	ATOM 6360 CG GLU B 346	-24.112	11.985	87.793	1.00	153.72	B
	ATOM 6276 O THR B 334	2.262	2.934	69.916	1.00	56.45	B	ATOM 6361 CD GLU B 346	-23.943	12.399	89.236	1.00	153.72	B
	ATOM 6277 N THR B 335	2.458	0.681	69.825	1.00	44.32	B	ATOM 6362 OE1 GLU B 346	-24.806	12.029	90.061	1.00	153.72	B
	ATOM 6278 CA THR B 335	1.021	0.438	69.716	1.00	44.11	B	ATOM 6363 OE2 GLU B 346	-22.948	13.091	89.543	1.00	153.72	B
20	ATOM 6279 CB THR B 335	0.750	-0.965	69.222	1.00	57.94	B	ATOM 6364 C GLU B 346	-26.910	12.585	85.186	1.00	200.84	B
	ATOM 6280 OG1 THR B 335	1.603	-1.251	68.106	1.00	47.30	B	ATOM 6365 O GLU B 346	-27.958	11.989	84.928	1.00	200.84	B
	ATOM 6281 CG2 THR B 335	-0.691	-1.082	68.796	1.00	47.30	B	ATOM 6366 N ASP B 347	-26.741	13.876	84.905	1.00	200.84	B
	ATOM 6282 C THR B 335	0.278	0.630	71.027	1.00	44.97	B	ATOM 6367 CA ASP B 347	-27.813	14.647	84.273	1.00	200.84	B
	ATOM 6283 O THR B 335	0.673	0.115	72.062	1.00	46.32	B	ATOM 6368 CB ASP B 347	-27.425	16.128	84.153	1.00	196.76	B
	ATOM 6284 N PRO B 336	-0.834	1.357	70.991	1.00	57.80	B	ATOM 6369 CG ASP B 347	-26.568	16.416	82.933	1.00	196.76	B
	ATOM 6285 CD PRO B 336	-1.464	1.994	69.823	1.00	42.82	B	ATOM 6370 OD1 ASP B 347	-25.456	15.857	82.839	1.00	196.76	B
	ATOM 6286 CA PRO B 336	-1.612	1.608	72.200	1.00	57.38	B	ATOM 6371 OD2 ASP B 347	-27.007	17.204	82.066	1.00	196.76	B
	ATOM 6287 CB PRO B 336	-2.375	2.862	71.840	1.00	51.68	B	ATOM 6372 C ASP B 347	-28.194	14.100	82.897	1.00	200.84	B
	ATOM 6288 CG PRO B 336	-2.763	2.549	70.411	1.00	42.82	B	ATOM 6373 O ASP B 347	-29.371	14.094	82.531	1.00	200.84	B
	ATOM 6289 C PRO B 336	-2.562	0.479	72.598	1.00	57.42	B	ATOM 6374 N GLY B 348	-27.198	13.642	82.142	1.00	156.14	B
25	ATOM 6290 O PRO B 336	-2.719	-0.525	71.894	1.00	58.05	B	ATOM 6375 CA GLY B 348	-27.456	13.096	80.821	1.00	153.45	B
	ATOM 6291 N THR B 337	-3.189	0.681	73.749	1.00	62.94	B	ATOM 6376 C GLY B 348	-27.524	11.583	80.854	1.00	150.41	B
	ATOM 6292 CA THR B 337	-4.165	-0.227	74.304	1.00	66.40	B	ATOM 6377 O GLY B 348	-26.841	10.952	81.660	1.00	145.42	B
	ATOM 6293 CB THR B 337	-3.812	-0.570	75.745	1.00	131.09	B	ATOM 6378 N ASN B 349	-28.338	10.997	79.979	1.00	200.84	B
	ATOM 6294 OG1 THR B 337	-2.675	-1.432	75.747	1.00	81.98	B	ATOM 6379 CA ASN B 349	-28.486	9.548	79.944	1.00	200.84	B
	ATOM 6295 CG2 THR B 337	-4.975	-1.241	76.446	1.00	81.98	B	ATOM 6380 CB ASN B 349	-29.342	9.124	78.739	1.00	196.27	B
	ATOM 6296 C THR B 337	-5.447	0.588	74.290	1.00	73.97	B	ATOM 6381 CG ASN B 349	-29.118	9.995	77.517	1.00	181.45	B
	ATOM 6297 O THR B 337	-5.454	1.744	74.715	1.00	65.35	B	ATOM 6382 OD1 ASN B 349	-29.374	11.200	77.540	1.00	181.45	B
	ATOM 6298 N VAL B 338	-6.531	0.012	73.790	1.00	57.88	B	ATOM 6383 ND2 ASN B 349	-28.645	9.385	76.439	1.00	181.45	B
	ATOM 6299 CA VAL B 338	-7.779	0.758	73.753	1.00	64.74	B	ATOM 6384 C ASN B 349	-27.162	8.778	79.967	1.00	200.84	B
	ATOM 6300 CB VAL B 338	-8.266	0.977	72.295	1.00	80.93	B	ATOM 6385 O ASN B 349	-26.713	8.362	81.034	1.00	200.84	B
	ATOM 6301 CG1 VAL B 338	-9.421	1.983	72.275	1.00	80.55	B	ATOM 6386 N MET B 350	-26.526	8.603	78.813	1.00	161.36	B
30	ATOM 6302 CG2 VAL B 338	-7.118	1.460	71.427	1.00	80.55	B	ATOM 6387 CA MET B 350	-25.272	7.851	78.758	1.00	157.45	B
	ATOM 6303 C VAL B 338	-8.879	0.065	74.546	1.00	69.21	B	ATOM 6388 CB MET B 350	-25.485	6.578	77.928	1.00	200.84	B
	ATOM 6304 O VAL B 338	-8.928	-1.162	74.635	1.00	69.04	B	ATOM 6389 CG MET B 350	-24.255	5.698	77.781	1.00	165.92	B
	ATOM 6305 N LYS B 339	-9.758	0.875	75.123	1.00	50.43	B	ATOM 6390 SD MET B 350	-24.603	4.149	76.920	1.00	165.92	B
	ATOM 6306 CA LYS B 339	-10.878	0.397	75.912	1.00	48.31	B	ATOM 6391 CE MET B 350	-24.674	3.002	78.299	1.00	165.92	B
	ATOM 6307 CB LYS B 339	-10.439	0.170	77.360	1.00	142.02	B	ATOM 6392 C MET B 350	-24.067	8.629	78.216	1.00	154.59	B
	ATOM 6308 CG LYS B 339	-9.407	-0.932	77.516	1.00	110.33	B	ATOM 6393 O MET B 350	-24.217	9.608	77.487	1.00	151.02	B
	ATOM 6309 CD LYS B 339	-8.448	-0.660	78.669	1.00	110.33	B	ATOM 6394 N THR B 351	-22.871	8.179	78.590	1.00	105.28	B
	ATOM 6310 CE LYS B 339	-7.331	-1.697	78.709	1.00	110.33	B	ATOM 6395 CA THR B 351	-21.625	8.800	78.141	1.00	103.24	B
	ATOM 6311 NZ LYS B 339	-6.267	-1.344	79.690	1.00	110.33	B	ATOM 6396 CB THR B 351	-20.999	9.687	79.252	1.00	112.68	B
	ATOM 6312 C LYS B 339	-11.925	1.491	75.853	1.00	57.30	B	ATOM 6397 OG1 THR B 351	-20.324	10.796	78.652	1.00	79.80	B
35	ATOM 6313 O LYS B 339	-11.615	2.668	76.042	1.00	49.96	B	ATOM 6398 CG2 THR B 351	-19.972	8.907	80.06			

65251/C766

1	ATOM	6407	C	LEU	B	352	-17.566	7.572	76.194	1.00	88.55	B
	ATOM	6408	O	LEU	B	352	-17.345	8.731	75.834	1.00	84.17	B
	ATOM	6409	N	GLU	B	353	-16.628	6.767	76.676	1.00	82.35	B
	ATOM	6410	CA	GLU	B	353	-15.258	7.209	76.824	1.00	78.60	B
	ATOM	6411	CB	GLU	B	353	-14.929	7.371	78.302	1.00	200.84	B
5	ATOM	6412	CG	GLU	B	353	-13.532	7.872	78.565	1.00	168.91	B
	ATOM	6413	CD	GLU	B	353	-13.225	7.928	80.038	1.00	168.91	B
	ATOM	6414	OE1	GLU	B	353	-13.972	8.609	80.772	1.00	168.91	B
	ATOM	6415	OE2	GLU	B	353	-12.239	7.290	80.462	1.00	168.91	B
	ATOM	6416	C	GLU	B	353	-14.276	6.237	76.186	1.00	81.85	B
10	ATOM	6417	O	GLU	B	353	-14.133	5.093	76.625	1.00	82.63	B
	ATOM	6418	N	CYS	B	354	-13.601	6.711	75.143	1.00	82.50	B
	ATOM	6419	CA	CYS	B	354	-12.616	5.921	74.422	1.00	82.78	B
	ATOM	6420	C	CYS	B	354	-11.265	6.337	74.970	1.00	83.87	B
	ATOM	6421	O	CYS	B	354	-10.921	7.517	74.929	1.00	82.57	B
15	ATOM	6422	CB	CYS	B	354	-12.684	6.249	72.932	1.00	116.09	B
	ATOM	6423	SG	CYS	B	354	-11.841	5.084	71.810	1.00	93.28	B
	ATOM	6424	N	THR	B	355	-10.506	5.391	75.510	1.00	53.31	B
	ATOM	6425	CA	THR	B	355	-9.194	5.742	76.031	1.00	42.67	B
	ATOM	6426	CB	THR	B	355	-9.080	5.537	77.554	1.00	92.36	B
20	ATOM	6427	OG1	THR	B	355	-8.380	4.320	77.808	1.00	41.51	B
	ATOM	6428	CG2	THR	B	355	-10.453	5.483	78.208	1.00	41.51	B
	ATOM	6429	C	THR	B	355	-8.118	4.918	75.344	1.00	56.16	B
	ATOM	6430	O	THR	B	355	-8.186	3.685	75.292	1.00	48.96	B
	ATOM	6431	N	VAL	B	356	-7.127	5.621	74.807	1.00	62.23	B
25	ATOM	6432	CA	VAL	B	356	-6.023	4.991	74.098	1.00	57.95	B
	ATOM	6433	CB	VAL	B	356	-5.835	5.666	72.723	1.00	64.17	B
	ATOM	6434	CG1	VAL	B	356	-4.868	4.878	71.865	1.00	48.70	B
	ATOM	6435	CG2	VAL	B	356	-7.187	5.772	72.029	1.00	48.70	B
	ATOM	6436	C	VAL	B	356	-4.794	5.157	74.970	1.00	66.79	B
30	ATOM	6437	O	VAL	B	356	-4.404	6.274	75.302	1.00	67.90	B
	ATOM	6438	N	ASN	B	357	-4.186	4.036	75.334	1.00	51.54	B
	ATOM	6439	CA	ASN	B	357	-3.036	4.052	76.227	1.00	47.76	B
	ATOM	6440	CB	ASN	B	357	-3.245	3.057	77.362	1.00	130.73	B
	ATOM	6441	CG	ASN	B	357	-4.413	3.427	78.234	1.00	84.65	B
35	ATOM	6442	OD1	ASN	B	357	-4.491	4.544	78.744	1.00	84.65	B
	ATOM	6443	ND2	ASN	B	357	-5.337	2.492	78.409	1.00	84.65	B
	ATOM	6444	C	ASN	B	357	-1.666	3.832	75.654	1.00	51.92	B
	ATOM	6445	O	ASN	B	357	-1.404	2.836	74.973	1.00	54.80	B
	ATOM	6446	N	SER	B	358	-0.793	4.778	75.998	1.00	55.92	B
40	ATOM	6447	CA	SER	B	358	0.605	4.822	75.589	1.00	63.22	B
	ATOM	6448	CB	SER	B	358	1.475	4.093	76.621	1.00	55.35	B
	ATOM	6449	OG	SER	B	358	1.231	2.711	76.574	1.00	53.69	B
	ATOM	6450	C	SER	B	358	0.929	4.327	74.172	1.00	67.94	B
	ATOM	6451	O	SER	B	358	1.240	3.152	73.953	1.00	63.49	B
45	ATOM	6452	N	PHE	B	359	0.866	5.271	73.232	1.00	44.00	B
	ATOM	6453	CA	PHE	B	359	1.154	5.060	71.805	1.00	38.31	B
	ATOM	6454	CB	PHE	B	359	-0.094	5.401	70.991	1.00	40.69	B
	ATOM	6455	CG	PHE	B	359	-0.754	6.699	71.394	1.00	35.29	B
	ATOM	6456	CD1	PHE	B	359	-0.296	7.911	70.903	1.00	35.29	B
50	ATOM	6457	CD2	PHE	B	359	-1.860	6.697	72.243	1.00	35.29	B
	ATOM	6458	CE1	PHE	B	359	-0.926	9.100	71.243	1.00	35.29	B
	ATOM	6459	CE2	PHE	B	359	-2.503	7.884	72.592	1.00	35.29	B
	ATOM	6460	CZ	PHE	B	359	-2.036	9.085	72.090	1.00	35.29	B
	ATOM	6461	C	PHE	B	359	2.298	6.011	71.445	1.00	44.90	B
55	ATOM	6462	O	PHE	B	359	2.349	7.104	72.007	1.00	42.45	B
	ATOM	6463	N	TYR	B	360	3.216	5.651	70.546	1.00	127.29	B
	ATOM	6464	CA	TYR	B	360	4.258	6.637	70.305	1.00	127.07	B
	ATOM	6465	CB	TYR	B	360	5.596	6.088	69.824	1.00	156.52	B
	ATOM	6466	CG	TYR	B	360	6.450	7.292	69.427	1.00	43.66	B
60	ATOM	6467	CD1	TYR	B	360	6.535	8.416	70.270	1.00	43.66	B
	ATOM	6468	CE1	TYR	B	360	7.172	9.599	69.860	1.00	43.66	B
	ATOM	6469	CD2	TYR	B	360	7.046	7.383	68.163	1.00	43.66	B
	ATOM	6470	CE2	TYR	B	360	7.697	8.564	67.749	1.00	43.66	B
	ATOM	6471	CZ	TYR	B	360	7.747	9.659	68.603	1.00	43.66	B
65	ATOM	6472	OH	TYR	B	360	8.367	10.806	68.200	1.00	43.66	B
	ATOM	6473	C	TYR	B	360	3.957	7.805	69.403	1.00	128.16	B
	ATOM	6474	O	TYR	B	360	3.669	8.884	69.902	1.00	134.09	B
	ATOM	6475	N	PRO	B	361	4.064	7.633	68.072	1.00	69.06	B
	ATOM	6476	CD	PRO	B	361	3.906	6.412	67.257	1.00	40.46	B
70	ATOM	6477	CA	PRO	B	361	3.757	8.860	67.313	1.00	64.65	B
	ATOM	6478	CB	PRO	B	361	3.553	8.360	65.880	1.00	39.70	B
	ATOM	6479	CG	PRO	B	361	3.115	6.928	66.053	1.00	40.46	B
	ATOM	6480	C	PRO	B	361	2.525	9.474	67.984	1.00	72.05	B
	ATOM	6481	O	PRO	B	361	1.443	8.901	67.982	1.00	69.22	B
75	ATOM	6482	N	PRO	B	362	2.711	10.630	68.631	1.00	42.48	B
	ATOM	6483	CD	PRO	B	362	3.969	11.394	68.584	1.00	51.93	B
	ATOM	6484	CA	PRO	B	362	1.683	11.372	69.358	1.00	36.19	B
	ATOM	6485	CB	PRO	B	362	2.452	12.577	69.904	1.00	51.93	B
	ATOM	6486	CG	PRO	B	362	3.510	12.781	68.910	1.00	51.93	B
80	ATOM	6487	C	PRO	B	362	0.398	11.756	68.652	1.00	38.79	B
	ATOM	6488	O	PRO	B	362	-0.589	12.110	69.311	1.00	43.55	B
	ATOM	6489	N	ASP	B	363	0.401	11.694	67.324	1.00	39.87	B
	ATOM	6490	CA	ASP	B	363	-0.794	12.031	66.557	1.00	39.72	B
	ATOM	6491	CB	ASP	B	363	-0.440	12.403	65.100	1.00	74.56	B
85	ATOM	6492	CG	ASP	B	363	0.516	11.410	64.433	1.00	68.77	B
	ATOM	6493	OD1	ASP	B	363	1.630	11.202	64.959	1.00	68.77	B
	ATOM	6494	OD2	ASP	B	363	0.165	10.848	63.369	1.00	68.77	B
	ATOM	6495	C	ASP	B	363	-1.781	10.867	66.596	1.00	43.26	B
	ATOM	6496	O	ASP	B	363	-1.447	9.728	66.255	1.00	39.76	B
90	ATOM	6497	N	VAL	B	364	-2.992	11.154	67.055	1.00	47.90	B
	ATOM	6498	CA	VAL	B	364	-4.035	10.148	67.127	1.00	50.22	B
	ATOM	6499	CB	VAL	B	364	-4.149	9.519	68.525	1.00	73.65	B
	ATOM	6500	CG1	VAL	B	364	-5.507	8.887	68.705	1.00	52.04	B
	ATOM	6501	CG2	VAL	B	364	-3.111	8.449	68.686	1.00	52.04	B
95	ATOM	6502	C	VAL	B	364	-5.332	10.835	66.807	1.00	57.56	B
	ATOM	6503	O	VAL	B	364	-5.551	11.972	67.210	1.00	49.30	B
	ATOM	6504	N	ILE	B	365	-6.183	10.156	66.055	1.00	54.18	B
	ATOM	6505	CA	ILE	B	365	-7.470	10.718	65.716	1.00	48.23	B
	ATOM	6506	CB	ILE	B	365	-7.535	11.168	64.256	1.00	67.79	B
100	ATOM	6507	CG2	ILE	B	365	-8.954	11.575	63.892	1.00	44.23	B
	ATOM	6508	CG1	ILE	B	365	-6.583	12.347	64.069	1.00	44.23	B
	ATOM	6509	CD1	ILE	B	365	-6.600	12.957	62.679	1.00	44.23	B
	ATOM	6510	C	ILE	B	365	-8.509	9.671	66.008	1.00	54.99	B
	ATOM	6511	O	ILE	B	365	-8.277	8.476	65.847	1.00	55.76	B
105	ATOM	6512	N	THR	B	366	-9.661	10.147	66.451	1.00	47.72	B
	ATOM	6513	CA	THR	B	366	-10.754	9.292	66.840	1.00	56.00	B
	ATOM	6514	CB	THR	B	366	-10.929	9.415	68.357	1.00	58.57	B
	ATOM	6515	OG1	THR	B	366	-10.805	8.125	68.952			

65251/C766

1	ATOM 6577 CG HIS B 373	-23.363	3.806	59.735	1.00	71.31	B	ATOM 6662 ND2 ASN B 382	-7.152	2.730	52.631	1.00	40.47	B
	ATOM 6578 CD2 HIS B 373	-23.522	4.859	60.571	1.00	71.31	B	ATOM 6663 C ASN B 382	-11.529	3.246	52.853	1.00	62.53	B
	ATOM 6579 ND1 HIS B 373	-24.355	3.917	58.786	1.00	71.31	B	ATOM 6664 O ASN B 382	-12.002	4.272	53.362	1.00	62.53	B
	ATOM 6580 CE1 HIS B 373	-25.081	4.992	59.035	1.00	71.31	B	ATOM 6665 N GLY B 383	-11.751	2.925	51.586	1.00	32.25	B
	ATOM 6581 NE2 HIS B 373	-24.597	5.583	60.113	1.00	71.31	B	ATOM 6666 CA GLY B 383	-12.546	3.849	50.788	1.00	32.25	B
5	ATOM 6582 C HIS B 373	-21.940	0.266	59.492	1.00	74.10	B	ATOM 6667 C GLY B 383	-14.038	3.976	51.059	1.00	32.25	B
	ATOM 6583 O HIS B 373	-21.334	0.246	58.424	1.00	69.94	B	ATOM 6668 O GLY B 383	-14.720	4.712	50.354	1.00	32.25	B
	ATOM 6584 N PHE B 374	-21.695	-0.608	60.459	1.00	68.01	B	ATOM 6669 N ARG B 384	-14.557	3.278	52.063	1.00	53.48	B
	ATOM 6585 CA PHE B 374	-20.689	-1.637	60.249	1.00	68.78	B	ATOM 6670 CA ARG B 384	-15.988	3.320	52.339	1.00	53.48	B
	ATOM 6586 CB PHE B 374	-19.813	-1.817	61.484	1.00	86.00	B	ATOM 6671 CB ARG B 384	-16.384	2.120	53.194	1.00	52.95	B
10	ATOM 6587 CG PHE B 374	-18.865	-0.692	61.698	1.00	66.18	B	ATOM 6672 CG ARG B 384	-17.881	1.948	53.376	1.00	52.95	B
	ATOM 6588 CD1 PHE B 374	-19.292	0.491	62.303	1.00	66.18	B	ATOM 6673 CD ARG B 384	-18.183	0.549	53.887	1.00	52.95	B
	ATOM 6589 CD2 PHE B 374	-17.562	-0.778	61.225	1.00	66.18	B	ATOM 6674 NE ARG B 384	-17.688	-0.461	52.957	1.00	52.95	B
	ATOM 6590 CE1 PHE B 374	-18.435	1.576	62.426	1.00	66.18	B	ATOM 6675 CZ ARG B 384	-17.612	-1.762	53.220	1.00	52.95	B
	ATOM 6591 CE2 PHE B 374	-16.692	0.300	61.340	1.00	66.18	B	ATOM 6676 NH1 ARG B 384	-17.998	-2.246	54.394	1.00	52.95	B
15	ATOM 6592 CZ PHE B 374	-17.129	1.482	61.942	1.00	66.18	B	ATOM 6677 NH2 ARG B 384	-17.137	-2.585	52.300	1.00	52.95	B
	ATOM 6593 C PHE B 374	-21.314	-2.957	59.861	1.00	64.86	B	ATOM 6678 C ARG B 384	-16.438	4.595	53.015	1.00	53.48	B
	ATOM 6594 O PHE B 374	-20.631	-3.989	59.836	1.00	63.10	B	ATOM 6679 O ARG B 384	-15.683	5.212	53.755	1.00	53.48	B
	ATOM 6595 N LYS B 375	-22.610	-2.909	59.546	1.00	91.94	B	ATOM 6680 N TYR B 385	-17.676	4.988	52.748	1.00	59.57	B
	ATOM 6596 CA LYS B 375	-23.379	-4.082	59.131	1.00	94.57	B	ATOM 6681 CA TYR B 385	-18.237	6.186	53.351	1.00	59.57	B
20	ATOM 6597 CB LYS B 375	-23.474	-4.139	57.598	1.00	117.62	B	ATOM 6682 CB TYR B 385	-19.312	6.771	52.446	1.00	74.84	B
	ATOM 6598 CG LYS B 375	-24.526	-3.225	56.962	1.00	91.46	B	ATOM 6683 CG TYR B 385	-20.065	7.891	53.103	1.00	74.84	B
	ATOM 6599 CD LYS B 375	-24.165	-1.748	57.045	1.00	91.46	B	ATOM 6684 CD1 TYR B 385	-19.488	9.150	53.256	1.00	74.84	B
	ATOM 6600 CE LYS B 375	-25.200	-0.887	56.320	1.00	91.46	B	ATOM 6685 CE1 TYR B 385	-20.145	10.163	53.941	1.00	74.84	B
	ATOM 6601 NZ LYS B 375	-24.923	0.573	56.441	1.00	91.46	B	ATOM 6686 CD2 TYR B 385	-21.326	7.675	54.346	1.00	74.84	B
25	ATOM 6602 C LYS B 375	-22.826	-5.412	59.643	1.00	99.59	B	ATOM 6687 CE2 TYR B 385	-21.993	8.680	54.335	1.00	74.84	B
	ATOM 6603 O LYS B 375	-22.551	-6.318	58.856	1.00	101.85	B	ATOM 6688 CZ TYR B 385	-21.396	9.920	54.481	1.00	74.84	B
	ATOM 6604 N GLY B 376	-22.650	-5.527	60.956	1.00	75.73	B	ATOM 6689 OH TYR B 385	-22.050	10.906	55.179	1.00	74.84	B
	ATOM 6605 CA GLY B 376	-22.151	-6.773	61.518	1.00	75.73	B	ATOM 6690 C TYR B 385	-18.559	5.878	54.721	1.00	59.57	B
	ATOM 6606 C GLY B 376	-20.645	-7.005	61.568	1.00	75.73	B	ATOM 6691 O TYR B 385	-19.464	4.822	54.912	1.00	59.57	B
30	ATOM 6607 O GLY B 376	-20.155	-7.688	62.471	1.00	75.73	B	ATOM 6692 N TYR B 386	-18.711	6.790	55.677	1.00	57.04	B
	ATOM 6608 N GLU B 377	-19.903	-6.466	60.604	1.00	103.12	B	ATOM 6693 CA TYR B 386	-19.294	6.586	57.001	1.00	57.04	B
	ATOM 6609 CA GLU B 377	-18.454	-6.639	60.592	1.00	103.12	B	ATOM 6694 CB TYR B 386	-18.291	5.988	57.994	1.00	48.70	B
	ATOM 6610 CB GLU B 377	-17.962	-6.928	59.176	1.00	131.99	B	ATOM 6695 CG TYR B 386	-17.765	4.610	57.710	1.00	48.70	B
	ATOM 6611 CG GLU B 377	-16.511	-7.369	59.114	1.00	131.99	B	ATOM 6696 CD1 TYR B 386	-16.555	4.433	57.053	1.00	48.70	B
35	ATOM 6612 CD GLU B 377	-16.055	-7.689	57.702	1.00	131.99	B	ATOM 6697 CE1 TYR B 386	-16.033	3.161	56.824	1.00	48.70	B
	ATOM 6613 OE1 GLU B 377	-14.933	-8.220	57.544	1.00	131.99	B	ATOM 6698 CD2 TYR B 386	-18.454	3.473	58.136	1.00	48.70	B
	ATOM 6614 OE2 GLU B 377	-16.817	-7.406	56.751	1.00	131.99	B	ATOM 6699 CE2 TYR B 386	-17.945	2.189	57.915	1.00	48.70	B
	ATOM 6615 C GLU B 377	-17.793	-5.373	61.119	1.00	103.12	B	ATOM 6700 CZ TYR B 386	-16.732	2.043	57.257	1.00	48.70	B
	ATOM 6616 O GLU B 377	-17.946	-4.295	60.538	1.00	103.12	B	ATOM 6701 OH TYR B 386	-16.215	0.787	57.021	1.00	48.70	B

65251/C766

1	ATOM 6747 C ARG B 391	-17.382	18.645	66.954	1.00104.00	B	ATOM 6832 CZ PHE B 402	-12.100	17.861	67.008	1.00 57.37	B
	ATOM 6748 O ARG B 391	-17.457	19.059	65.799	1.00104.00	B	ATOM 6833 C PHE B 402	-7.691	20.039	69.067	1.00 66.03	B
	ATOM 6749 N LYS B 392	-17.481	19.456	68.000	1.00 69.99	B	ATOM 6834 O PHE B 402	-6.634	19.469	69.343	1.00 66.03	B
	ATOM 6750 CA LYS B 392	-17.676	20.889	67.805	1.00 69.99	B	ATOM 6835 N PRO B 403	-8.682	20.197	69.971	1.00 65.57	B
	ATOM 6751 CB LYS B 392	-18.893	21.379	68.599	1.00106.30	B	ATOM 6836 CD PRO B 403	-9.953	20.872	69.689	1.00 39.09	B
	ATOM 6752 CG LYS B 392	-19.159	22.876	68.457	1.00106.30	B	ATOM 6837 CA PRO B 403	-8.650	19.754	71.374	1.00 65.57	B
	ATOM 6753 CD LYS B 392	-20.211	23.359	69.445	1.00106.30	B	ATOM 6838 CB PRO B 403	-9.902	20.386	71.980	1.00143.92	B
	ATOM 6754 CE LYS B 392	-20.329	24.874	69.415	1.00106.30	B	ATOM 6839 CG PRO B 403	-10.275	21.451	71.034	1.00 39.09	B
	ATOM 6755 NZ LYS B 392	-21.213	25.391	70.498	1.00106.30	B	ATOM 6840 C PRO B 403	-8.677	18.250	71.552	1.00 65.57	B
5	ATOM 6756 C LYS B 392	-16.439	21.679	68.229	1.00 69.99	B	ATOM 6841 O PRO B 403	-9.727	17.635	71.433	1.00 65.57	B
	ATOM 6757 O LYS B 392	-16.072	21.694	69.408	1.00 69.99	B	ATOM 6842 N TRP B 404	-7.525	17.652	71.815	1.00 72.55	B
	ATOM 6758 N SER B 393	-15.798	22.336	67.265	1.00 52.64	B	ATOM 6843 CA TRP B 404	-7.462	16.214	72.052	1.00 72.55	B
	ATOM 6759 CA SER B 393	-14.598	23.128	67.530	1.00 52.64	B	ATOM 6844 CB TRP B 404	-6.518	15.509	71.068	1.00 75.70	B
	ATOM 6760 CB SER B 393	-13.384	22.208	67.726	1.00 70.94	B	ATOM 6845 CG TRP B 404	-7.053	15.330	69.671	1.00 68.94	B
	ATOM 6761 OG SER B 393	-12.184	22.944	67.901	1.00 70.94	B	ATOM 6846 CD2 TRP B 404	-8.210	14.575	69.273	1.00 68.94	B
	ATOM 6762 C SER B 393	-14.337	24.067	66.370	1.00 52.64	B	ATOM 6847 CE2 TRP B 404	-8.293	14.653	67.866	1.00 68.94	B
	ATOM 6763 O SER B 393	-14.818	23.833	65.264	1.00 52.64	B	ATOM 6848 CE3 TRP B 404	-9.183	13.840	69.968	1.00 68.94	B
	ATOM 6764 N ASN B 394	-13.590	25.139	66.616	1.00 53.04	B	ATOM 6849 CD1 TRP B 404	-6.505	15.818	68.522	1.00 68.94	B
	ATOM 6765 CA ASN B 394	-13.272	26.068	65.541	1.00 53.04	B	ATOM 6850 NE1 TRP B 404	-7.242	15.417	67.436	1.00 68.94	B
	ATOM 6766 CB ASN B 394	-12.779	27.388	66.100	1.00 59.87	B	ATOM 6851 CZ2 TRP B 404	-9.309	14.026	67.137	1.00 68.94	B
10	ATOM 6767 CG ASN B 394	-13.882	28.184	66.735	1.00 59.87	B	ATOM 6852 CZ3 TRP B 404	-10.196	13.213	69.242	1.00 68.94	B
	ATOM 6768 OD1 ASN B 394	-14.950	28.366	66.143	1.00 59.87	B	ATOM 6853 CH2 TRP B 404	-10.248	13.312	67.840	1.00 68.94	B
	ATOM 6769 ND2 ASN B 394	-13.634	28.675	67.949	1.00 59.87	B	ATOM 6854 C TRP B 404	-6.910	16.081	73.458	1.00 72.55	B
	ATOM 6770 C ASN B 394	-12.203	25.456	64.653	1.00 53.04	B	ATOM 6855 O TRP B 404	-5.904	16.702	73.787	1.00 72.55	B
	ATOM 6771 O ASN B 394	-12.010	25.873	63.511	1.00 53.04	B	ATOM 6856 N ASN B 405	-7.364	15.286	74.293	1.00 63.60	B
	ATOM 6772 N TYR B 395	-11.515	24.463	65.196	1.00 60.10	B	ATOM 6857 CA ASN B 405	-7.097	15.114	75.657	1.00 63.63	B
	ATOM 6773 CA TYR B 395	-10.477	23.767	64.475	1.00 60.10	B	ATOM 6858 CB ASN B 405	-8.227	14.598	76.535	1.00 76.15	B
	ATOM 6774 CB TYR B 395	-9.331	23.424	65.423	1.00 48.11	B	ATOM 6859 CG ASN B 405	-7.996	14.891	77.986	1.00 76.15	B
	ATOM 6775 CG TYR B 395	-8.622	24.617	65.997	1.00 48.11	B	ATOM 6860 OD1 ASN B 405	-7.133	14.293	78.622	1.00 76.15	B
	ATOM 6776 CD1 TYR B 395	-8.970	25.126	67.238	1.00 48.11	B	ATOM 6861 ND2 ASN B 405	-8.758	15.836	78.523	1.00 76.15	B
	ATOM 6777 CE1 TYR B 395	-8.312	26.234	67.774	1.00 48.11	B	ATOM 6862 C ASN B 405	-5.917	14.149	75.693	1.00 72.57	B
	ATOM 6778 CD2 TYR B 395	-7.595	25.244	65.295	1.00 48.11	B	ATOM 6863 O ASN B 405	-6.050	12.983	76.092	1.00 65.63	B
15	ATOM 6779 CE2 TYR B 395	-6.934	26.349	65.817	1.00 48.11	B	ATOM 6864 N ILE B 406	-4.763	14.647	75.259	1.00 69.69	B
	ATOM 6780 CZ TYR B 395	-7.299	26.839	67.059	1.00 48.11	B	ATOM 6865 CA ILE B 406	-3.550	13.850	75.232	1.00 61.89	B
	ATOM 6781 OH TYR B 395	-6.659	27.945	67.579	1.00 48.11	B	ATOM 6866 CB ILE B 406	-2.875	13.909	73.851	1.00 64.56	B
	ATOM 6782 C TYR B 395	-11.043	22.475	63.882	1.00 60.10	B	ATOM 6867 CG2 ILE B 406	-1.672	12.977	73.812	1.00 52.18	B
	ATOM 6783 O TYR B 395	-12.028	21.937	64.379	1.00 60.10	B	ATOM 6868 CG1 ILE B 406	-3.880	13.517	72.770	1.00 52.18	B
	ATOM 6784 N GLU B 396	-10.422	21.983	62.816	1.00 59.53	B	ATOM 6869 CD1 ILE B 406	-3.296	13.494	71.364	1.00 52.18	B
	ATOM 6785 CA GLU B 396	-10.831	20.731	62.187	1.00 59.53	B	ATOM 6870 C ILE B 406	-2.572	14.384	76.259	1.00 68.76	B
	ATOM 6786 CB GLU B 396	-10.779	20.856	60.670	1.00114.69	B	ATOM 6871 O ILE B 406	-2.467	15.588	76.457	1.00 63.86	B
	ATOM 6787 CG GLU B 396	-11.438	22.095	60.121	1.00114.69	B	ATOM 6872 N LYS B 407	-1.868	13.480	76.921	1.00 46.85	B
	ATOM 6788 CD GLU B 396	-11.130	22.295	58.650	1.00114.69	B	ATOM 6873 CA LYS B 407	-0.867	13.851	77.913	1.00 42.45	B
20	ATOM 6789 OE1 GLU B 396	-9.931	22.311	58.292	1.00114.69	B	ATOM 6874 CB LYS B 407	-1.407	13.700	79.336	1.00107.76	B
	ATOM 6790 OE2 GLU B 396	-12.080	22.439	57.854	1.00114.69	B	ATOM 6875 CG LYS B 407	-2.577	14.601	79.675	1.00 93.86	B
	ATOM 6791 C GLU B 396	-9.811	19.675	62.628	1.00 59.53	B	ATOM 6876 CD LYS B 407	-2.895	14.524	81.162	1.00 93.86	B
	ATOM 6792 O GLU B 396	-8.609	19.958	62.709	1.00 59.53	B	ATOM 6877 CE LYS B 407	-4.161	15.295	81.518	1.00 93.86	B
	ATOM 6793 N PRO B 397	-10.265	18.448	62.930	1.00 52.19	B	ATOM 6878 NZ LYS B 407	-5.373	14.685	80.906	1.00 93.86	B
	ATOM 6794 CD PRO B 397	-11.608	17.867	62.818	1.00 49.76	B	ATOM 6879 C LYS B 407	0.270	12.877	77.718	1.00 51.76	B
	ATOM 6795 CA PRO B 397	-9.292	17.432	63.347	1.00 52.19	B	ATOM 6880 O LYS B 407	0.033	11.698	77.447	1.00 50.70	B
	ATOM 6796 CB PRO B 397	-10.131	16.154	63.424	1.00 49.76	B	ATOM 6881 N LYS B 408	1.503	13.358	77.824	1.00 55.97	B
	ATOM 6797 CG PRO B 397	-11.287	16.433	62.518	1.00 49.76	B	ATOM 6882 CA LYS B 408	2.638	12.463	77.670	1.00 55.56	B
	ATOM 6798 C PRO B 397	-8.149	17.352	62.340	1.00 52.19	B	ATOM 6883 CB LYS B 408	3.927	13.250	77.485	1.00 60.30	B
	ATOM 6799 O PRO B 397	-8.369	17.334	61.128	1.00 52.19	B	ATOM 6884 CG LYS B 408	5.115	12.372	77.158	1.00 59.10	B
25	ATOM 6800 N GLY B 398	-6.926	17.320	62.851	1.00 39.52	B	ATOM 6885 CD LYS B 408	6.295	13.206	76.729	1.00 59.10	B
	ATOM 6801 CA GLY B 398	-5.772	17.287	61.975	1.00 39.52	B	ATOM 6886 CE LYS B 408	7.456	12.336	76.328	1.00 59.10	B
	ATOM 6802 C GLY B 398	-4.944	18.532	62.247	1.00 39.52	B	ATOM 6887 NZ LYS B 408	8.574	13.154	75.770	1.00 59.10	B
	ATOM 6803 O GLY B 398	-3.718	18.465	62.277	1.00 39.52	B	ATOM 6888 C LYS B 408	2.677	11.686	78.967	1.00 55.69	B
	ATOM 6804 N GLU B 399	-5.617	19.667	62.447	1.00 44.99	B	ATOM 6889 O LYS B 408	2.992	12.239	80.011	1.00 54.26	B
	ATOM 6805 CA GLU B 399	-4.944	20.931	62.738	1.00 44.99	B	ATOM 6890 N ASP B 409	2.337	10.408	78.927	1.00 73.13	B
	ATOM 6806 CB GLU B 399	-5.921	22.106	62.632	1.00 61.78	B	ATOM 6891 CA ASP B 409	2.331	9.660	80.169	1.00 73.31	B
	ATOM 6807 CG GLU B 399	-6.636	22.184	61.293	1.00 61.78	B	ATOM 6892 CB ASP B 409	1.688	8.271	79.977	1.00 95.09	B
	ATOM 6808 CD GLU B 399	-7.567	23.382	61.162	1.00 61.78	B	ATOM 6893 CG ASP B 409	2.204	7.534	78.762	1.00 87.91	B
	ATOM 6809 OE1 GLU B 399	-8.292	23.690	62.128	1.00 61.78	B	ATOM 6894 OD1 ASP B 409	3.435	7.484	78.569	1.00 87.91	B
	ATOM 6810 OE2 GLU B 399	-7.588	24.008	60.081	1.00 61.78	B	ATOM 6895 OD2 ASP B 409	1.371	6.986	78.011	1.00 87.91	B
	ATOM 6811 C GLU B 399	-4.445	20.819	64.162	1.00 44.99	B	ATOM 6896 C ASP B 409	3.700	9.551	80.844	1.00 73.22	B
30	ATOM 6812 O GLU B 399	-5.163	20.327	65.022	1.00 44.99	B	ATOM 6897 O ASP B 409	4.733	9.804	80.222	1.00 76.95	B
	ATOM 6813 N PRO B 400	-3.206	21.258	64.441	1.00 59.04	B	ATOM 6898 N LYS B 410	3.661	9.205	82.134	1.00 94.50	B
	ATOM 6814 CD PRO B 400	-2.156	21.823	63.584	1.00 34.85	B	ATOM 6899 CA LYS B 410	4.825	9.037	83.008	1.00100.94	B
	ATOM 6815 CA PRO B 400	-2.741	21.135	65.824	1.00 54.12	B	ATOM 6900 CB LYS B 410	4.566	7.901	84.008	1.00173.56	B
	ATOM 6816 CB PRO B 400	-1.328	21.723	65.778	1.00 83.46	B	ATOM 6901 CG LYS B 410	4.493	6.492	83.393	1.00113.01	B
	ATOM 6817 CG PRO B 400	-1.338	22.583	64.576	1.00 34.85	B	ATOM 6902 CD LYS B 410	3.214	6.259	82.585	1.00113.01	B
	ATOM 6818 C PRO B 400	-3.644	21.804	66.847	1.00 44.87	B	ATOM 6903 CE LYS B 410	3.199	4.873	81.946	1.00113.01	B
	ATOM 6819 O PRO B 400	-3.603	21.470	68.029	1.00 45.08	B	ATOM 6904 NZ LYS B 410	1.969	4.633	81.140	1.00113.01	B
	ATOM 6820 N GLY B 401	-4.485	22.723	66.393	1.00 55.79	B	ATOM 6905 C LYS B 410	6.133	8.762	82.287	1.00 99.76	B
	ATOM 6821 CA GLY B 401	-5.385	23.398	67.313	1.00 55.35	B	ATOM 6906 O LYS B 410	6.139	8.230	81.183	1.00 99.29	B
	ATOM 6822 C GLY B 401	-6.571	22.581	67.812	1.00 55.14	B	ATOM 6907 N ASP B 411	7.238	9.109	82.941	1.00 75.44	B
	ATOM 6823 O GLY B 401	-7.279	23.011	68.717	1.00 55.85	B	ATOM 6908 CA ASP B 411	8.586	8.927	82.393	1.00 72.95	B
35	ATOM 6824 N PHE B 402	-6.804	21.408	67.235	1.00 66.03	B	ATOM 6909 CB ASP B 411	9.569	8.538	83.502	1.00179.79	B
	ATOM 6825 CA PHE B 402	-7.928	20.583	67.662	1.00 66.03	B	ATOM 6910 CG ASP B 411	10.186	9.746	84.186	1.00179.79	B
	ATOM 6826 CB PHE B 402	-8.132	19.423	66.706	1.00159.04	B	ATOM 6911 OD1 ASP B 411	10.714	10.628	83.475	1.00179.79	B
	ATOM 6827 CG PHE B 402	-9.500	18.853	66.773	1.00 57.37	B	ATOM 6912 OD2 ASP B 411	10.152	9.812	85.431	1.001	

65251/C766

1	ATOM 6917 CB ALA B 412	7.375	6.520	78.873	1.00	77.71	B	ATOM 7002 N THR B 423	-23.648	10.513	74.733	1.00	76.06	B
	ATOM 6918 C ALA B 412	8.302	8.460	77.605	1.00	100.65	B	ATOM 7003 CA THR B 423	-24.577	9.594	74.079	1.00	85.71	B
	ATOM 6919 O ALA B 412	8.002	9.648	77.715	1.00	101.70	B	ATOM 7004 CB THR B 423	-24.548	8.196	74.743	1.00	131.51	B
	ATOM 6920 N ASN B 413	8.485	7.866	76.432	1.00	63.52	B	ATOM 7005 OG1 THR B 423	-23.210	7.693	74.730	1.00	87.30	B
	ATOM 6921 CA ASN B 413	8.356	8.598	75.179	1.00	56.33	B	ATOM 7006 CG2 THR B 423	-25.440	7.215	73.989	1.00	87.30	B
	ATOM 6922 CB ASN B 413	9.305	8.032	74.138	1.00	62.96	B	ATOM 7007 C THR B 423	-26.018	10.099	74.100	1.00	83.93	B
	ATOM 6923 CG ASN B 413	10.746	8.149	74.554	1.00	62.96	B	ATOM 7008 O THR B 423	-26.881	9.474	74.699	1.00	82.42	B
	ATOM 6924 OD1 ASN B 413	11.163	9.179	75.084	1.00	62.96	B	ATOM 7009 N THR B 424	-26.283	11.225	73.446	1.00	132.80	B
	ATOM 6925 ND2 ASN B 413	11.525	7.099	74.302	1.00	62.96	B	ATOM 7010 CA THR B 424	-27.639	11.763	73.408	1.00	132.80	B
5	ATOM 6926 C ASN B 413	6.955	8.521	74.630	1.00	60.91	B	ATOM 7011 CB THR B 424	-27.689	13.115	72.674	1.00	198.02	B
	ATOM 6927 O ASN B 413	6.594	9.259	73.724	1.00	60.60	B	ATOM 7012 OG1 THR B 424	-26.801	14.036	73.318	1.00	143.83	B
	ATOM 6928 N THR B 414	6.169	7.627	75.204	1.00	40.68	B	ATOM 7013 CG2 THR B 424	-29.102	13.688	72.699	1.00	143.83	B
	ATOM 6929 CA THR B 414	4.805	7.396	74.772	1.00	43.72	B	ATOM 7014 C THR B 424	-28.539	10.767	72.688	1.00	132.80	B
	ATOM 6930 CB THR B 414	4.413	5.967	75.147	1.00	108.47	B	ATOM 7015 O THR B 424	-28.064	9.955	71.893	1.00	132.80	B
	ATOM 6931 OG1 THR B 414	3.081	5.725	74.720	1.00	78.96	B	ATOM 7016 N SER B 425	-29.836	10.831	72.969	1.00	133.08	B
	ATOM 6932 CG2 THR B 414	4.516	5.750	76.640	1.00	78.96	B	ATOM 7017 CA SER B 425	-30.797	9.918	72.361	1.00	133.08	B
	ATOM 6933 C THR B 414	3.762	8.410	75.281	1.00	43.18	B	ATOM 7018 CB SER B 425	-32.103	9.954	73.146	1.00	173.00	B
	ATOM 6934 O THR B 414	4.042	9.192	76.199	1.00	44.25	B	ATOM 7019 OG SER B 425	-33.015	9.017	72.621	1.00	68.94	B
	ATOM 6935 N TYR B 415	2.581	8.417	74.656	1.00	48.38	B	ATOM 7020 C SER B 425	-31.083	10.195	70.885	1.00	133.08	B
	ATOM 6936 CA TYR B 415	1.491	9.328	75.027	1.00	49.41	B	ATOM 7021 O SER B 425	-31.854	9.475	70.250	1.00	133.08	B
10	ATOM 6937 CB TYR B 415	1.243	10.359	73.930	1.00	77.23	B	ATOM 7022 N LYS B 426	-30.458	11.233	70.342	1.00	157.81	B
	ATOM 6938 CG TYR B 415	2.373	11.322	73.717	1.00	44.17	B	ATOM 7023 CA LYS B 426	-30.648	11.593	68.941	1.00	157.81	B
	ATOM 6939 CD1 TYR B 415	3.572	10.897	73.160	1.00	44.17	B	ATOM 7024 CB LYS B 426	-29.774	12.795	68.583	1.00	200.84	B
	ATOM 6940 CE1 TYR B 415	4.623	11.791	72.962	1.00	44.17	B	ATOM 7025 CG LYS B 426	-29.916	13.977	69.517	1.00	153.66	B
	ATOM 6941 CD2 TYR B 415	2.245	12.673	74.078	1.00	44.17	B	ATOM 7026 CD LYS B 426	-28.880	15.036	69.195	1.00	153.66	B
	ATOM 6942 CE2 TYR B 415	3.287	13.575	73.887	1.00	44.17	B	ATOM 7027 CE LYS B 426	-28.911	16.160	70.210	1.00	153.66	B
	ATOM 6943 CZ TYR B 415	4.473	13.125	73.328	1.00	44.17	B	ATOM 7028 NZ LYS B 426	-27.865	17.176	69.915	1.00	153.66	B
	ATOM 6944 OH TYR B 415	5.520	13.992	73.128	1.00	44.17	B	ATOM 7029 C LYS B 426	-30.284	10.430	68.024	1.00	157.81	B
	ATOM 6945 C TYR B 415	0.179	8.589	75.260	1.00	56.97	B	ATOM 7030 O LYS B 426	-30.951	10.187	67.029	1.00	157.81	B
	ATOM 6946 O TYR B 415	0.009	7.451	74.812	1.00	51.62	B	ATOM 7031 N MET B 427	-29.218	9.716	68.371	1.00	119.58	B
	ATOM 6947 N SER B 416	-0.756	9.248	75.943	1.00	71.09	B	ATOM 7032 CA MET B 427	-28.740	8.590	67.575	1.00	119.58	B
15	ATOM 6948 CA SER B 416	-2.060	8.654	76.215	1.00	69.04	B	ATOM 7033 CB MET B 427	-27.386	8.114	68.106	1.00	121.41	B
	ATOM 6949 CB SER B 416	-2.153	8.203	77.668	1.00	94.22	B	ATOM 7034 CG MET B 427	-27.369	7.836	69.599	1.00	121.41	B
	ATOM 6950 OG SER B 416	-1.393	7.024	77.870	1.00	70.60	B	ATOM 7035 SD MET B 427	-25.743	7.338	70.179	1.00	121.41	B
	ATOM 6951 C SER B 416	-3.172	9.633	75.906	1.00	75.23	B	ATOM 7036 CE MET B 427	-24.896	8.924	70.232	1.00	121.41	B
	ATOM 6952 O SER B 416	-2.991	10.845	76.011	1.00	73.60	B	ATOM 7037 C MET B 427	-29.710	7.420	67.537	1.00	119.58	B
	ATOM 6953 N LEU B 417	-4.327	9.095	75.530	1.00	56.22	B	ATOM 7038 O MET B 427	-30.894	7.576	67.834	1.00	119.58	B
	ATOM 6954 CA LEU B 417	-5.477	9.914	75.164	1.00	55.12	B	ATOM 7039 N SER B 428	-29.197	6.247	67.168	1.00	108.22	B
	ATOM 6955 CB LEU B 417	-5.605	9.936	73.644	1.00	89.62	B	ATOM 7040 CA SER B 428	-30.019	5.049	67.083	1.00	109.87	B
	ATOM 6956 CG LEU B 417	-7.015	10.181	73.112	1.00	47.73	B	ATOM 7041 CB SER B 428	-31.022	5.185	65.932	1.00	107.01	B
	ATOM 6957 CD1 LEU B 417	-7.353	11.660	73.198	1.00	47.73	B	ATOM 7042 OG SER B 428	-30.361	5.289	64.680	1.00	103.72	B
	ATOM 6958 CD2 LEU B 417	-7.102	9.702	71.682	1.00	47.73	B	ATOM 7043 C SER B 428	-29.200	3.778	66.883	1.00	105.82	B
20	ATOM 6959 C LEU B 417	-6.796	9.431	75.767	1.00	66.63	B	ATOM 7044 O SER B 428	-29.677	2.834	66.262	1.00	105.70	B
	ATOM 6960 O LEU B 417	-6.982	8.237	76.019	1.00	61.73	B	ATOM 7045 N SER B 429	-27.976	3.748	67.404	1.00	136.30	B
	ATOM 6961 N THR B 418	-7.710	10.374	75.977	1.00	62.97	B	ATOM 7046 CA SER B 429	-27.126	2.566	67.261	1.00	134.97	B
	ATOM 6962 CA THR B 418	-9.027	10.074	76.521	1.00	56.03	B	ATOM 7047 CB SER B 429	-26.509	2.512	65.860	1.00	124.74	B
	ATOM 6963 CB THR B 418	-9.115	10.420	78.016	1.00	107.83	B	ATOM 7048 OG SER B 429	-27.497	2.378	64.857	1.00	124.74	B
	ATOM 6964 OG1 THR B 418	-8.344	9.475	78.769	1.00	76.24	B	ATOM 7049 C SER B 429	-25.997	2.516	68.282	1.00	133.35	B
	ATOM 6965 CG2 THR B 418	-10.562	10.389	78.486	1.00	76.24	B	ATOM 7050 O SER B 429	-25.301	1.507	68.393	1.00	122.05	B
	ATOM 6966 C THR B 418	-10.063	10.897	75.782	1.00	71.22	B	ATOM 7051 N GLN B 430	-25.819	3.600	69.028	1.00	110.66	B
	ATOM 6967 O THR B 418	-10.072	12.118	75.889	1.00	64.69	B	ATOM 7052 CA GLN B 430	-24.745	3.681	70.012	1.00	110.66	B
	ATOM 6968 N ASP B 419	-10.936	10.238	75.029	1.00	63.11	B	ATOM 7053 CB GLN B 430	-24.795	2.520	70.998	1.00	194.45	B
	ATOM 6969 CA ASP B 419	-11.959	10.966	74.289	1.00	68.22	B	ATOM 7054 CG GLN B 430	-23.718	2.631	72.053	1.00	123.44	B
	ATOM 6970 CB ASP B 419	-11.832	10.677	72.794	1.00	96.97	B	ATOM 7055 CD GLN B 430	-23.712	1.469	73.008	1.00	123.44	B
25	ATOM 6971 CG ASP B 419	-12.611	11.658	71.955	1.00	74.56	B	ATOM 7056 OE1 GLN B 430	-23.371	0.342	72.636	1.00	123.44	B
	ATOM 6972 OD1 ASP B 419	-12.465	12.875	72.188	1.00	74.56	B	ATOM 7057 NE2 GLN B 430	-24.097	1.731	74.253	1.00	123.44	B
	ATOM 6973 OD2 ASP B 419	-13.368	11.221	71.064	1.00	74.56	B	ATOM 7058 C GLN B 430	-23.424	3.639	69.256	1.00	110.66	B
	ATOM 6974 C ASP B 419	-13.353	10.601	74.791	1.00	72.31	B	ATOM 7059 O GLN B 430	-23.051	2.607	68.687	1.00	110.66	B
	ATOM 6975 O ASP B 419	-13.726	9.429	74.814	1.00	67.20	B	ATOM 7060 N PRO B 431	-22.682	4.757	69.266	1.00	78.77	B
	ATOM 6976 N LEU B 420	-14.118	11.613	75.189	1.00	89.62	B	ATOM 7061 CD PRO B 431	-22.818	5.929	70.148	1.00	62.22	B
	ATOM 6977 CA LEU B 420	-15.460	11.407	75.723	1.00	94.31	B	ATOM 7062 CA PRO B 431	-21.441	4.808	68.556	1.00	78.76	B
	ATOM 6978 CB LEU B 420	-15.620	12.242	76.996	1.00	149.06	B	ATOM 7063 CB PRO B 431	-20.946	6.234	68.800	1.00	161.18	B
	ATOM 6979 CG LEU B 420	-16.715	11.837	77.979	1.00	108.01	B	ATOM 7064 CG PRO B 431	-21.411	6.477	70.178	1.00	131.74	B
	ATOM 6980 CD1 LEU B 420	-16.391	10.464	78.552	1.00	108.01	B	ATOM 7065 C PRO B 431	-20.398	3.790	69.013	1.00	75.38	B
	ATOM 6981 CD2 LEU B 420	-16.818	12.870	79.093	1.00	108.01	B	ATOM 7066 O PRO B 431	-20.468	3.265	70.121	1.00	75.26	B
30	ATOM 6982 C LEU B 420	-16.545	11.787	74.715	1.00	96.88	B	ATOM 7067 N VAL B 432	-19.468	3.511	68.112	1.00	68.48	B
	ATOM 6983 O LEU B 420	-16.315	12.613	73.837	1.00	96.20	B	ATOM 7068 CA VAL B 432	-18.375	2.597	68.355	1.00	70.86	B
	ATOM 6984 N VAL B 421	-17.726	11.183	74.840	1.00	84.12	B	ATOM 7069 CB VAL B 432	-18.395	1.455	67.345	1.00	91.60	B
	ATOM 6985 CA VAL B 421	-18.843	11.480	73.940	1.00	82.63	B	ATOM 7070 CG1 VAL B 432	-18.260	2.000	65.949	1.00	63.68	B
	ATOM 6986 CB VAL B 421	-18.890	10.485	72.776	1.00	110.16	B	ATOM 7071 CG2 VAL B 432	-17.295	0.498	67.643	1.00	63.68	B
	ATOM 6987 CG1 VAL B 421	-20.124	10.715	71.929	1.00	65.59	B	ATOM 7072 C VAL B 432	-17.164	3.504	68.134	1.00	68.86	B
	ATOM 6988 CG2 VAL B 421	-17.671	10.659	71.932	1.00	65.59	B	ATOM 7073 O VAL B 432	-17.237	4.458	67.362	1.00	59.22	B
	ATOM 6989 C VAL B 421	-20.193	11.458	74.644	1.00	84.89	B	ATOM 7074 N CYS B 433	-16.064	3.240	68.821	1.00	66.16	B
	ATOM 6990 O VAL B 421	-20.481	10.549	75.422	1.00	80.49	B	ATOM 7075 CA CYS B 433	-14.894	4.094	68.676	1.00	62.04	B
	ATOM 6991 N ARG B 422	-21.019	12.459	74.356	1.00	105.63	B	ATOM 7076 C CYS B 433	-13.911	3.573	67.634	1.00	59.68	B
	ATOM 6992 CA ARG B 422	-22.349	12.577	74.949	1.00	107.76	B	ATOM 7077 O CYS B 433	-13.441	2.435	67.729	1.00	60.42	B
	ATOM 6993 CB ARG B 422	-22.808	14.038	74.874	1.00	189.06	B	ATOM 7078 CB CYS B 433	-14.189	4.237				

65251/C766

1

5

10

15

20

25

30

35

ATOM 7087 N VAL B 435	-10.278	4.142	66.101	1.00	50.72	B	ATOM 7172 CD1 TYR B 445	-10.489	0.609	69.020	1.00	55.16	B
ATOM 7088 CA VAL B 435	-9.005	4.786	66.399	1.00	42.46	B	ATOM 7173 CE1 TYR B 445	-9.169	0.360	68.602	1.00	55.16	B
ATOM 7089 CB VAL B 435	-8.341	4.103	67.616	1.00	53.98	B	ATOM 7174 CD2 TYR B 445	-10.432	-1.352	70.395	1.00	55.16	B
ATOM 7090 CG1 VAL B 435	-6.917	4.591	67.803	1.00	33.31	B	ATOM 7175 CE2 TYR B 445	-9.115	-1.611	69.985	1.00	55.16	B
ATOM 7091 CG2 VAL B 435	-9.160	4.384	68.850	1.00	33.31	B	ATOM 7176 CZ TYR B 445	-8.491	-0.754	69.093	1.00	55.16	B
ATOM 7092 C VAL B 435	-8.017	4.790	65.238	1.00	50.38	B	ATOM 7177 OH TYR B 445	-7.193	-1.014	68.717	1.00	55.16	B
ATOM 7093 O VAL B 435	-7.650	3.729	64.724	1.00	50.97	B	ATOM 7178 C TYR B 445	-14.985	-0.410	69.982	1.00	61.56	B
ATOM 7094 N PHE B 436	-7.581	5.981	64.830	1.00	49.71	B	ATOM 7179 O TYR B 445	-15.533	0.678	69.761	1.00	64.42	B
ATOM 7095 CA PHE B 436	-6.613	6.108	63.746	1.00	45.91	B	ATOM 7180 N THR B 446	-15.557	-1.378	70.696	1.00	62.55	B
ATOM 7096 CB PHE B 436	-7.041	7.190	62.764	1.00	64.46	B	ATOM 7181 CA THR B 446	-16.929	-1.237	71.171	1.00	69.53	B
ATOM 7097 CG PHE B 436	-8.322	6.889	62.061	1.00	39.23	B	ATOM 7182 CB THR B 446	-17.781	-2.358	70.579	1.00	74.77	B
ATOM 7098 CD1 PHE B 436	-9.536	7.256	62.619	1.00	39.23	B	ATOM 7183 OG1 THR B 446	-17.183	-3.615	70.912	1.00	62.92	B
ATOM 7099 CD2 PHE B 436	-8.318	6.228	60.834	1.00	39.23	B	ATOM 7184 CG2 THR B 446	-17.853	-2.244	69.084	1.00	62.92	B
ATOM 7100 CE1 PHE B 436	-10.739	6.974	61.963	1.00	39.23	B	ATOM 7185 C THR B 446	-17.193	-1.222	72.679	1.00	79.33	B
ATOM 7101 CE2 PHE B 436	-9.511	5.937	60.168	1.00	39.23	B	ATOM 7186 O THR B 446	-16.329	-0.882	73.487	1.00	83.00	B
ATOM 7102 CZ PHE B 436	-10.723	6.310	60.732	1.00	39.23	B	ATOM 7187 N CYS B 447	-18.436	-1.592	72.999	1.00	90.79	B
ATOM 7103 C PHE B 436	-5.232	6.439	64.298	1.00	53.74	B	ATOM 7188 CA CYS B 447	-19.040	-1.724	74.334	1.00	91.77	B
ATOM 7104 O PHE B 436	-5.039	7.480	64.921	1.00	53.12	B	ATOM 7189 C CYS B 447	-19.220	-0.516	75.242	1.00	91.80	B
ATOM 7105 N HIS B 437	-4.281	5.537	64.074	1.00	37.45	B	ATOM 7190 O CYS B 447	-18.380	0.371	75.316	1.00	88.66	B
ATOM 7106 CA HIS B 437	-2.918	5.727	64.543	1.00	38.52	B	ATOM 7191 CB CYS B 447	-18.376	-2.866	75.124	1.00	136.24	B
ATOM 7107 CB HIS B 437	-2.772	5.186	65.949	1.00	66.86	B	ATOM 7192 SG CYS B 447	-16.599	-2.717	75.446	1.00	121.77	B
ATOM 7108 CG HIS B 437	-1.403	5.371	66.519	1.00	43.23	B	ATOM 7193 N SER B 448	-20.363	-0.512	75.923	1.00	189.30	B
ATOM 7109 CD2 HIS B 437	-0.354	4.520	66.607	1.00	43.23	B	ATOM 7194 CA SER B 448	-20.743	0.542	76.853	1.00	189.30	B
ATOM 7110 ND1 HIS B 437	-0.974	6.566	67.065	1.00	43.23	B	ATOM 7195 CB SER B 448	-21.930	1.334	76.305	1.00	200.84	B
ATOM 7111 CE1 HIS B 437	0.277	6.441	67.464	1.00	43.23	B	ATOM 7196 OG SER B 448	-21.611	1.920	75.056	1.00	200.84	B
ATOM 7112 NE2 HIS B 437	0.677	5.211	67.196	1.00	43.23	B	ATOM 7197 C SER B 448	-21.114	-0.086	78.191	1.00	189.30	B
ATOM 7113 C HIS B 437	-1.958	4.992	63.614	1.00	42.83	B	ATOM 7198 O SER B 448	-20.654	-1.185	78.508	1.00	189.30	B
ATOM 7114 O HIS B 437	-2.374	4.078	62.900	1.00	45.05	B	ATOM 7199 N GLU B 449	-21.964	0.594	78.961	1.00	152.92	B
ATOM 7115 N ASP B 438	-0.683	5.385	63.614	1.00	34.51	B	ATOM 7200 CA GLU B 449	-22.357	0.110	80.283	1.00	152.92	B
ATOM 7116 CA ASP B 438	0.315	4.755	62.746	1.00	36.42	B	ATOM 7201 CB GLU B 449	-22.828	-1.349	80.220	1.00	134.25	B
ATOM 7117 CB ASP B 438	1.700	5.364	62.998	1.00	101.96	B	ATOM 7202 CG GLU B 449	-24.262	-1.530	79.753	1.00	134.25	B
ATOM 7118 CG ASP B 438	1.932	6.637	62.189	1.00	72.92	B	ATOM 7203 CD GLU B 449	-24.577	-0.707	78.525	1.00	134.25	B
ATOM 7119 OD1 ASP B 438	0.928	7.278	61.797	1.00	72.92	B	ATOM 7204 OE1 GLU B 449	-23.842	-0.838	77.524	1.00	134.25	B
ATOM 7120 OD2 ASP B 438	3.114	6.995	61.953	1.00	72.92	B	ATOM 7205 OE2 GLU B 449	-25.556	0.070	78.560	1.00	134.25	B
ATOM 7121 C ASP B 438	0.340	3.247	62.918	1.00	37.76	B	ATOM 7206 C GLU B 449	-21.114	0.207	81.154	1.00	152.92	B
ATOM 7122 O ASP B 438	0.360	2.511	61.938	1.00	41.32	B	ATOM 7207 O GLU B 449	-21.165	0.644	82.301	1.00	152.92	B
ATOM 7123 N THR B 439	0.356	2.783	64.160	1.00	76.30	B	ATOM 7208 N GLY B 450	-19.993	-0.196	80.569	1.00	81.26	B
ATOM 7124 CA THR B 439	0.312	1.352	64.420	1.00	73.65	B	ATOM 7209 CA GLY B 450	-18.711	-0.176	81.241	1.00	81.26	B
ATOM 7125 CB THR B 439	0.783	1.048	65.845	1.00	62.50	B	ATOM 7210 C GLY B 450	-17.949	-1.353	80.681	1.00	81.26	B
ATOM 7126 OG1 THR B 439	-0.081	1.694	66.784	1.00	48.31	B	ATOM 7211 O GLY B 450	-16.900	-1.740	81.198	1.00	81.26	B
ATOM 7127 CG2 THR B 439	2.186	1.587	66.058	1.00	48.31	B	ATOM 7212 N CYS B 451	-18.491	-1.917	79.605	1.00	167.43	B
ATOM 7128 C THR B 439	-1.189	1.127	64.272	1.00	79.42	B	ATOM 7213 CA CYS B 451	-17.901	-3.075	78.953	1.00	167.43	B
ATOM 7129 O THR B 439	-1.966	2.016	64.598	1.00	79.76	B	ATOM 7214 CB CYS B 451	-16.505	-2.758	78.451	1.00	161.96	B
ATOM 7130 N LEU B 440	-1.614	-0.026	63.775	1.00	79.65	B	ATOM 7215 SG CYS B 451	-16.519	-1.558	77.101	1.00	161.96	B
ATOM 7131 CA LEU B 440	-3.047	-0.272	63.549	1.00	81.67	B	ATOM 7216 C CYS B 451	-17.824	-4.216	79.938	1.00	167.43	B
ATOM 7132 CB LEU B 440	-3.834	-0.462	64.877	1.00	85.42	B	ATOM 7217 O CYS B 451	-16.703	-4.728	80.143	1.00	167.43	B
ATOM 7133 CG LEU B 440	-4.141	0.414	66.125	1.00	65.42	B	ATOM 7218 OXT CYS B 451	-18.886	-4.574	80.488	1.00	134.33	B
ATOM 7134 CD1 LEU B 440	-2.891	0.624	66.918	1.00	65.42	B	ATOM 7219 CB ARG C 1	-15.415	15.094	12.139	1.00	133.76	C
ATOM 7135 CD2 LEU B 440	-4.793	1.733	65.775	1.00	65.42	B	ATOM 7220 CG ARG C 1	-13.880	15.204	12.120	1.00	133.76	C
ATOM 7136 C LEU B 440	-3.708	0.831	62.706	1.00	91.62	B	ATOM 7221 CD ARG C 1	-13.343	16.332	11.234	1.00	133.76	C
ATOM 7137 O LEU B 440	-4.429	1.664	63.239	1.00	89.84	B	ATOM 7222 NE ARG C 1	-13.137	17.588	11.962	1.00	133.76	C
ATOM 7138 N GLU B 441	-3.469	0.820	61.391	1.00	62.37	B	ATOM 7223 CZ ARG C 1	-12.253	17.761	12.944	1.00	133.76	C
ATOM 7139 CA GLU B 441	-4.023	1.823	60.474	1.00	62.37	B	ATOM 7224 NHI ARG C 1	-11.476	16.759	13.333	1.00	133.76	C
ATOM 7140 CB GLU B 441	-4.139	1.242	59.064	1.00	200.84	B	ATOM 7225 NH2 ARG C 1	-12.147	18.942	13.542	1.00	133.76	C
ATOM 7141 CG GLU B 441	-2.799	0.908	58.434	1.00	140.84	B	ATOM 7226 C ARG C 1	-15.665	16.702	14.064	1.00	200.84	C
ATOM 7142 CD GLU B 441	-2.923	0.493	56.979	1.00	140.84	B	ATOM 7227 O ARG C 1	-14.566	17.237	14.205	1.00	200.84	C
ATOM 7143 OE1 GLU B 441	-3.651	-0.483	56.702	1.00	140.84	B	ATOM 7228 N ARG C 1	-16.048	17.452	11.715	1.00	200.84	C
ATOM 7144 OE2 GLU B 441	-2.292	1.140	56.113	1.00	140.84	B	ATOM 7229 CA ARG C 1	-16.178	16.317	12.672	1.00	200.84	C
ATOM 7145 C GLU B 441	-5.373	2.407	60.901	1.00	62.37	B	ATOM 7230 N THR C 2	-16.468	16.432	15.090	1.00	200.07	C
ATOM 7146 O GLU B 441	-5.584	3.624	60.844	1.00	62.37	B	ATOM 7231 CA THR C 2	-16.096	16.756	16.467	1.00	200.07	C
ATOM 7147 N ALA B 442	-6.288	1.544	61.329	1.00	71.33	B	ATOM 7232 CB THR C 2	-17.335	16.750	17.401	1.00	133.35	C
ATOM 7148 CA ALA B 442	-7.595	1.999	61.779	1.00	69.55	B	ATOM 7233 OG1 THR C 2	-18.325	17.655	16.900	1.00	132.09	C
ATOM 7149 CB ALA B 442	-8.371	2.578	60.608	1.00	33.99	B	ATOM 7234 CG2 THR C 2	-16.943	17.164	18.813	1.00	135.24	C
ATOM 7150 C ALA B 442	-8.363	0.846	62.396	1.00	65.54	B	ATOM 7235 C THR C 2	-15.101	15.748	17.031	1.00	200.07	C
ATOM 7151 O ALA B 442	-8.819	-0.031	61.678	1.00	62.95	B	ATOM 7236 O THR C 2	-15.464	14.595	17.265	1.00	200.07	C
ATOM 7152 N GLN B 443	-8.500	0.842	63.723	1.00	61.28	B	ATOM 7237 N PRO C 3	-13.833	16.154	17.247	1.00	195.99	C
ATOM 7153 CA GLN B 443	-9.222	-0.227	64.413	1.00	64.56	B	ATOM 7238 CD PRO C 3	-13.112	17.401	16.935	1.00	82.77	C
ATOM 7154 CB GLN B 443	-8.339	-0.881	65.472	1.00	90.32	B	ATOM 7239 CA PRO C 3	-12.922	15.150	17.800	1.00	195.99	C
ATOM 7155 CG GLN B 443	-7.534	-2.055	64.964	1.00	73.55	B	ATOM 7240 CB PRO C 3	-1					

65251/C766

1	ATOM 7257 O ASP C 5	-13.945	18.831	24.845	1.00	62.18	C	ATOM 7342 C ALA C 17	16.623	16.253	16.623	1.00	97.32	C
	ATOM 7258 N LYS C 6	-13.684	16.645	24.387	1.00	64.12	C	ATOM 7343 O ALA C 17	16.448	15.968	17.807	1.00	98.96	C
	ATOM 7259 CA LYS C 6	-12.773	16.357	25.498	1.00	60.50	C	ATOM 7344 N GLU C 18	17.608	15.747	15.892	1.00	89.80	C
	ATOM 7260 CB LYS C 6	-12.629	14.852	25.712	1.00	53.66	C	ATOM 7345 CA GLU C 18	18.561	14.793	16.440	1.00	91.80	C
	ATOM 7261 CG LYS C 6	-13.806	14.094	26.271	1.00	60.07	C	ATOM 7346 CB GLU C 18	19.701	14.566	15.446	1.00	125.96	C
	ATOM 7262 CD LYS C 6	-13.489	12.591	26.211	1.00	63.68	C	ATOM 7347 CG GLU C 18	20.502	15.820	15.134	1.00	125.96	C
	ATOM 7263 CE LYS C 6	-14.520	11.759	26.948	1.00	66.95	C	ATOM 7348 CD GLU C 18	21.705	15.533	14.260	1.00	125.96	C
	ATOM 7264 NZ LYS C 6	-14.544	12.094	28.400	1.00	68.14	C	ATOM 7349 OE1 GLU C 18	22.584	14.761	14.696	1.00	125.96	C
	ATOM 7265 C LYS C 6	-11.362	16.849	25.234	1.00	55.83	C	ATOM 7350 OE2 GLU C 18	21.771	16.077	13.138	1.00	125.96	C
5	ATOM 7266 O LYS C 6	-10.818	16.621	24.153	1.00	59.71	C	ATOM 7351 C GLU C 18	19.148	15.241	17.776	1.00	91.46	C
	ATOM 7267 N PRO C 7	-10.741	17.530	26.207	1.00	53.63	C	ATOM 7352 O GLU C 18	19.309	16.437	18.036	1.00	91.07	C
	ATOM 7268 CD PRO C 7	-11.241	18.146	27.441	1.00	34.57	C	ATOM 7353 N GLY C 19	19.459	14.261	18.619	1.00	93.98	C
	ATOM 7269 CA PRO C 7	-9.371	17.969	25.929	1.00	51.67	C	ATOM 7354 CA GLY C 19	20.054	14.542	19.911	1.00	91.47	C
	ATOM 7270 CB PRO C 7	-8.978	18.749	27.190	1.00	36.57	C	ATOM 7355 C GLY C 19	19.118	15.009	21.003	1.00	89.97	C
	ATOM 7271 CG PRO C 7	-9.961	18.319	28.218	1.00	35.44	C	ATOM 7356 O GLY C 19	19.527	15.108	22.155	1.00	89.98	C
	ATOM 7272 C PRO C 7	-8.541	16.706	25.730	1.00	49.73	C	ATOM 7357 N GLN C 20	17.867	15.297	20.663	1.00	94.73	C
	ATOM 7273 O PRO C 7	-8.666	15.748	26.488	1.00	50.74	C	ATOM 7358 CA GLN C 20	16.916	15.758	21.667	1.00	90.30	C
	ATOM 7274 N VAL C 8	-7.712	16.696	24.699	1.00	28.08	C	ATOM 7359 CB GLN C 20	16.853	17.280	21.648	1.00	114.59	C
	ATOM 7275 CA VAL C 8	-6.909	15.525	24.403	1.00	29.24	C	ATOM 7360 CG GLN C 20	16.556	17.846	20.281	1.00	115.57	C
	ATOM 7276 CB VAL C 8	-7.725	14.526	23.504	1.00	30.42	C	ATOM 7361 CD GLN C 20	16.571	19.360	20.269	1.00	115.33	C
10	ATOM 7277 CG1 VAL C 8	-8.163	15.224	22.219	1.00	31.00	C	ATOM 7362 OE1 GLN C 20	17.584	19.981	20.593	1.00	114.98	C
	ATOM 7278 CG2 VAL C 8	-6.900	13.300	23.161	1.00	33.12	C	ATOM 7363 NE2 GLN C 20	15.445	19.966	19.897	1.00	114.78	C
	ATOM 7279 C VAL C 8	-5.637	15.922	23.663	1.00	31.74	C	ATOM 7364 C GLN C 20	15.519	15.179	21.476	1.00	85.04	C
	ATOM 7280 O VAL C 8	-5.541	17.011	23.097	1.00	30.98	C	ATOM 7365 O GLN C 20	15.225	14.553	20.453	1.00	83.75	C
	ATOM 7281 N ALA C 9	-4.660	15.026	23.661	1.00	38.53	C	ATOM 7366 N LEU C 21	14.662	15.391	22.471	1.00	59.03	C
	ATOM 7282 CA ALA C 9	-3.434	15.293	22.943	1.00	44.77	C	ATOM 7367 CA LEU C 21	13.296	14.887	22.420	1.00	55.49	C
	ATOM 7283 CB ALA C 9	-2.642	16.376	23.640	1.00	46.11	C	ATOM 7368 CB LEU C 21	13.006	14.017	23.643	1.00	53.15	C
	ATOM 7284 C ALA C 9	-2.602	14.041	22.828	1.00	45.75	C	ATOM 7369 CG LEU C 21	11.597	13.447	23.804	1.00	51.93	C
	ATOM 7285 O ALA C 9	-2.485	13.266	23.781	1.00	43.73	C	ATOM 7370 CD1 LEU C 21	11.141	12.792	22.502	1.00	49.23	C
	ATOM 7286 N HIS C 10	-2.051	13.836	21.641	1.00	39.78	C	ATOM 7371 CD2 LEU C 21	11.589	12.447	24.956	1.00	53.97	C
	ATOM 7287 CA HIS C 10	-1.166	12.707	21.388	1.00	40.65	C	ATOM 7372 C LEU C 21	12.318	16.039	22.366	1.00	54.10	C
	ATOM 7288 CB HIS C 10	-1.874	11.593	20.618	1.00	37.61	C	ATOM 7373 O LEU C 21	11.900	16.553	23.398	1.00	49.42	C
15	ATOM 7289 CG HIS C 10	-1.012	10.389	20.380	1.00	39.10	C	ATOM 7374 N GLN C 22	11.954	16.442	21.156	1.00	65.98	C
	ATOM 7290 CD2 HIS C 10	-0.301	10.004	19.294	1.00	36.83	C	ATOM 7375 CA GLN C 22	11.026	17.546	20.961	1.00	70.58	C
	ATOM 7291 ND1 HIS C 10	-0.759	9.446	21.355	1.00	39.24	C	ATOM 7376 CB GLN C 22	11.634	18.516	19.957	1.00	74.86	C
	ATOM 7292 CE1 HIS C 10	0.074	8.536	20.881	1.00	39.59	C	ATOM 7377 CG GLN C 22	10.721	19.620	19.497	1.00	81.63	C
	ATOM 7293 NE2 HIS C 10	0.368	8.852	19.631	1.00	37.07	C	ATOM 7378 CD GLN C 22	11.273	20.334	18.279	1.00	87.85	C
	ATOM 7294 C HIS C 10	-0.063	13.290	20.531	1.00	38.86	C	ATOM 7379 OE1 GLN C 22	10.606	21.185	17.690	1.00	93.08	C
	ATOM 7295 O HIS C 10	-0.217	13.430	19.319	1.00	37.02	C	ATOM 7380 NE2 GLN C 22	12.499	19.990	17.893	1.00	88.61	C
	ATOM 7296 N VAL C 11	1.037	13.670	21.160	1.00	49.46	C	ATOM 7381 C GLN C 22	9.678	17.010	20.460	1.00	67.97	C
	ATOM 7297 CA VAL C 11	2.141	14.260	20.423	1.00	52.04	C	ATOM 7382 O GLN C 22	9.621	16.294	19.464	1.00	66.92	C
	ATOM 7298 CB VAL C 11	2.713	15.470	21.155	1.00	36.64	C	ATOM 7383 N TRP C 23	8.596	17.361	21.151	1.00	46.70	C
20	ATOM 7299 CG1 VAL C 11	1.629	16.523	21.290	1.00	32.70	C	ATOM 7384 CA TRP C 23	7.263	16.887	20.786	1.00	40.58	C
	ATOM 7300 CG2 VAL C 11	3.240	15.055	22.538	1.00	38.62	C	ATOM 7385 CB TRP C 23	6.360	16.801	22.024	1.00	42.59	C
	ATOM 7301 C VAL C 11	3.216	13.226	20.211	1.00	50.65	C	ATOM 7386 CG TRP C 23	6.893	15.977	23.149	1.00	43.11	C
	ATOM 7302 O VAL C 11	3.367	12.285	20.992	1.00	47.66	C	ATOM 7387 CD2 TRP C 23	7.070	14.553	23.168	1.00	41.22	C
	ATOM 7303 N VAL C 12	3.966	13.407	19.141	1.00	48.56	C	ATOM 7388 CE2 TRP C 23	7.604	14.216	24.437	1.00	42.84	C
	ATOM 7304 CA VAL C 12	4.998	12.464	18.793	1.00	46.73	C	ATOM 7389 CE3 TRP C 23	6.832	13.528	22.238	1.00	40.91	C
	ATOM 7305 CB VAL C 12	4.605	11.790	17.476	1.00	58.63	C	ATOM 7390 CD1 TRP C 23	7.312	16.431	24.364	1.00	42.58	C
	ATOM 7306 CG1 VAL C 12	4.788	12.754	16.340	1.00	52.43	C	ATOM 7391 NE1 TRP C 23	7.740	15.379	25.147	1.00	41.67	C
	ATOM 7307 CG2 VAL C 12	5.392	10.518	17.273	1.00	62.10	C	ATOM 7392 C22 TRP C 23	7.903	12.897	24.798	1.00	44.90	C
	ATOM 7308 C VAL C 12	6.359	13.169	18.690	1.00	44.69	C	ATOM 7393 CZ3 TRP C 23	7.129	12.213	22.601	1.00	45.35	C
	ATOM 7309 O VAL C 12	6.431	14.397	18.578	1.00	44.53	C	ATOM 7394 CH2 TRP C 23	7.659	11.914	23.870	1.00	43.16	C
25	ATOM 7310 N ALA C 13	7.434	12.391	18.750	1.00	52.14	C	ATOM 7395 C TRP C 23	6.543	17.754	19.765	1.00	41.08	C
	ATOM 7311 CA ALA C 13	8.788	12.929	18.692	1.00	51.81	C	ATOM 7396 O TRP C 23	6.570	18.982	19.857	1.00	42.36	C
	ATOM 7312 CB ALA C 13	9.775	11.889	19.191	1.00	37.22	C	ATOM 7397 N LEU C 24	5.893	17.115	18.796	1.00	38.90	C
	ATOM 7313 C ALA C 13	9.200	13.390	17.306	1.00	55.79	C	ATOM 7398 CA LEU C 24	5.130	17.868	17.816	1.00	36.59	C
	ATOM 7314 O ALA C 13	8.909	12.727	16.309	1.00	53.30	C	ATOM 7399 CB LEU C 24	5.792	17.895	16.430	1.00	62.51	C
	ATOM 7315 N ASN C 14	9.896	14.525	17.262	1.00	48.38	C	ATOM 7400 CG LEU C 24	7.235	17.493	16.208	1.00	63.24	C
	ATOM 7316 CA ASN C 14	10.386	15.114	16.019	1.00	49.50	C	ATOM 7401 CD1 LEU C 24	7.341	15.995	16.353	1.00	64.86	C
	ATOM 7317 CB ASN C 14	10.631	16.605	16.224	1.00	74.27	C	ATOM 7402 CD2 LEU C 24	7.665	17.902	14.824	1.00	58.35	C
	ATOM 7318 CG ASN C 14	11.137	17.291	14.974	1.00	76.26	C	ATOM 7403 C LEU C 24	3.757	17.254	17.675	1.00	43.45	C
	ATOM 7319 OD1 ASN C 14	11.447	18.483	14.997	1.00	75.84	C	ATOM 7404 O LEU C 24	3.542	16.088	18.007	1.00	40.43	C
	ATOM 7320 ND2 ASN C 14	11.218	16.546	13.872	1.00	78.38	C	ATOM 7405 N ASN C 25	2.830	18.054	17.167	1.00	48.15	C
30	ATOM 7321 C ASN C 14	11.690	14.441	15.618	1.00	52.38	C	ATOM 7406 CA ASN C 25	1.473	17.604	16.961	1.00	49.59	C
	ATOM 7322 O ASN C 14	12.696	14.564	16.323	1.00	52.90	C	ATOM 7407 CB ASN C 25	0.537	18.439	17.821	1.00	44.81	C
	ATOM 7323 N PRO C 15	11.699	13.731	14.474	1.00	67.74	C	ATOM 7408 CG ASN C 25	0.376	19.839	17.294	1.00	46.38	C
	ATOM 7324 CD PRO C 15	10.597	13.499	13.525	1.00	34.13	C	ATOM 7409 OD1 ASN C 25	-0.713	20.226	16.858	1.00	50.37	C
	ATOM 7325 CA PRO C 15	12.920	13.049	14.023	1.00	71.34	C	ATOM 7410 ND2 ASN C 25	1.464	20.611	17.317	1.00	42.78	C
	ATOM 7326 CB PRO C 15	12.418	12.098	12.928	1.00	38.47	C	ATOM 7411 C ASN C 25	1.086	17.766	15.495	1.00	50.12	C
	ATOM 7327 CG PRO C 15	10.901	12.108	13.061	1.00	36.74	C	ATOM 7412 O ASN C 25	-0.016	17.399	15.100	1.00	52.48	C
	ATOM 7328 C PRO C 15	13.961	14.020	13.476	1.00	72.55	C	ATOM 7413 N ARG C 26	1.986	18.317	14.688	1.00	57.30	C
	ATOM 7329 O PRO C 15	15.145	13.715	13.433	1.00	74.58	C	ATOM 7414 CA ARG C 26	1.692	18.547	13.279	1.00	58.58	C
	ATOM 7330 N GLN C 16	13.500	15.191	13.061	1.00	97.37	C	ATOM 7415 CB ARG C 26	2.452	19.776	12.776	1.00	43.45	C
	ATOM 7331 CA GLN C 16	14.373	16.201	12.487	1.00	96.32	C	ATOM 7416 CG ARG C 26	3.944	19.722	13.000	1.00	44.36	C
	ATOM 7332 CB GLN C 16	13.532	17.183	11.659	1.00	124.05	C	ATOM 7417 CD ARG C 26	4.630	20.821	12.230	1.00	48.42	C
	ATOM 7333 CG GLN C 16	14.307	17.990	10.623	1.00	126.98	C	ATOM 7418 NE ARG C 26	6.075	20.817	12.424	1.00	49.56	C
35	ATOM 7334 CD GLN C 16	15.011	17.110	9.602	1.00	128.77	C	ATOM 7419 CZ ARG C 26	6.689					

65251/C766

1	ATOM 7427 CG ARG C 27	4.325	14.870	12.553	1.00	50.13	C	ATOM 7512 CB ARG C 39	3.304	25.883	26.443	1.00	57.55	C
	ATOM 7428 CD ARG C 27	4.616	15.325	11.140	1.00	52.50	C	ATOM 7513 CG ARG C 39	3.847	27.244	26.692	1.00	65.25	C
	ATOM 7429 NE ARG C 27	5.844	16.112	11.036	1.00	55.89	C	ATOM 7514 CD ARG C 39	2.816	28.070	27.434	1.00	73.86	C
	ATOM 7430 CZ ARG C 27	7.061	15.647	11.315	1.00	59.50	C	ATOM 7515 NE ARG C 39	3.174	29.484	27.416	1.00	80.39	C
	ATOM 7431 NH1 ARG C 27	8.119	16.444	11.188	1.00	60.37	C	ATOM 7516 CZ ARG C 39	2.351	30.469	27.763	1.00	81.19	C
	ATOM 7432 NH2 ARG C 27	7.223	14.385	11.722	1.00	57.73	C	ATOM 7517 NH1 ARG C 39	1.116	30.191	28.159	1.00	79.67	C
	ATOM 7433 C ARG C 27	0.649	14.096	11.769	1.00	45.06	C	ATOM 7518 NH2 ARG C 39	2.756	31.734	27.704	1.00	83.49	C
	ATOM 7434 O ARG C 27	-0.434	14.332	12.311	1.00	45.20	C	ATOM 7519 C ARG C 39	5.446	24.618	26.098	1.00	53.16	C
	ATOM 7435 N ALA C 28	0.879	13.074	10.948	1.00	79.27	C	ATOM 7520 O ARG C 39	5.506	23.807	27.022	1.00	56.39	C
5	ATOM 7436 CA ALA C 28	-0.104	12.079	10.561	1.00	78.17	C	ATOM 7521 N ASP C 40	6.521	25.198	25.584	1.00	51.02	C
	ATOM 7437 CB ALA C 28	0.601	10.773	10.235	1.00	131.19	C	ATOM 7522 CA ASP C 40	7.862	24.903	26.076	1.00	48.97	C
	ATOM 7438 C ALA C 28	-1.212	11.814	11.559	1.00	77.83	C	ATOM 7523 CB ASP C 40	8.085	25.581	27.425	1.00	90.16	C
	ATOM 7439 O ALA C 28	-2.294	12.390	11.470	1.00	78.85	C	ATOM 7524 CG ASP C 40	7.826	27.078	27.373	1.00	92.30	C
	ATOM 7440 N ASN C 29	-0.955	10.934	12.513	1.00	46.48	C	ATOM 7525 OD1 ASP C 40	8.417	27.755	26.504	1.00	89.18	C
	ATOM 7441 CA ASN C 29	-2.000	10.598	13.469	1.00	45.65	C	ATOM 7526 OD2 ASP C 40	7.031	27.582	28.198	1.00	92.42	C
	ATOM 7442 CB ASN C 29	-2.184	9.083	13.498	1.00	50.09	C	ATOM 7527 C ASP C 40	8.088	23.395	26.194	1.00	45.10	C
	ATOM 7443 CG ASN C 29	-2.648	8.529	12.162	1.00	50.15	C	ATOM 7528 O ASP C 40	8.716	22.933	27.136	1.00	44.33	C
	ATOM 7444 OD1 ASN C 29	-3.836	8.588	11.825	1.00	56.01	C	ATOM 7529 N ASN C 41	7.557	22.637	25.235	1.00	43.89	C
	ATOM 7445 ND2 ASN C 29	-1.704	8.000	11.387	1.00	47.16	C	ATOM 7530 CA ASN C 41	7.696	21.182	25.175	1.00	39.64	C
	ATOM 7446 C ASN C 29	-1.705	11.125	14.858	1.00	43.99	C	ATOM 7531 CB ASN C 41	9.173	20.786	25.220	1.00	60.33	C
	ATOM 7447 O ASN C 29	-1.602	10.361	15.809	1.00	41.71	C	ATOM 7532 CG ASN C 41	9.443	19.456	24.535	1.00	55.02	C
10	ATOM 7448 N ALA C 30	-1.572	12.441	14.964	1.00	37.32	C	ATOM 7533 OD1 ASN C 41	9.098	19.264	23.368	1.00	56.36	C
	ATOM 7449 CA ALA C 30	-1.283	13.089	16.231	1.00	32.14	C	ATOM 7534 ND2 ASN C 41	10.068	18.536	25.253	1.00	51.12	C
	ATOM 7450 CB ALA C 30	-0.016	13.893	16.119	1.00	33.14	C	ATOM 7535 C ASN C 41	6.937	20.432	26.261	1.00	42.95	C
	ATOM 7451 C ALA C 30	-2.450	13.981	16.621	1.00	33.54	C	ATOM 7536 O ASN C 41	7.285	19.302	26.611	1.00	44.46	C
	ATOM 7452 O ALA C 30	-3.334	14.253	15.798	1.00	37.69	C	ATOM 7537 N GLN C 42	5.892	21.056	26.789	1.00	49.84	C
	ATOM 7453 N LEU C 31	-2.456	14.429	17.874	1.00	40.27	C	ATOM 7538 CA GLN C 42	5.096	20.429	27.830	1.00	47.76	C
	ATOM 7454 CA LEU C 31	-3.544	15.258	18.365	1.00	39.74	C	ATOM 7539 CB GLN C 42	5.359	21.087	29.183	1.00	40.52	C
	ATOM 7455 CB LEU C 31	-4.582	14.388	19.060	1.00	39.42	C	ATOM 7540 CG GLN C 42	6.816	21.249	29.505	1.00	42.61	C
	ATOM 7456 CG LEU C 31	-5.500	13.485	18.257	1.00	42.30	C	ATOM 7541 CD GLN C 42	7.048	21.980	30.816	1.00	42.07	C
	ATOM 7457 CD1 LEU C 31	-6.184	12.516	19.197	1.00	39.92	C	ATOM 7542 OE1 GLN C 42	6.447	23.030	31.084	1.00	41.50	C
	ATOM 7458 CD2 LEU C 31	-6.511	14.322	17.523	1.00	41.77	C	ATOM 7543 NE2 GLN C 42	7.940	21.435	31.635	1.00	43.83	C
15	ATOM 7459 C LEU C 31	-3.124	16.328	19.352	1.00	39.00	C	ATOM 7544 C GLN C 42	3.637	20.595	27.481	1.00	46.65	C
	ATOM 7460 O LEU C 31	-2.193	16.139	20.130	1.00	39.81	C	ATOM 7545 O GLN C 42	3.250	21.586	26.861	1.00	46.99	C
	ATOM 7461 N LEU C 32	-3.855	17.436	19.330	1.00	51.05	C	ATOM 7546 N LEU C 43	2.826	19.623	27.875	1.00	39.15	C
	ATOM 7462 CA LEU C 32	-3.647	18.557	20.233	1.00	50.84	C	ATOM 7547 CA LEU C 43	1.400	19.698	27.615	1.00	37.73	C
	ATOM 7463 CB LEU C 32	-2.442	19.395	19.810	1.00	43.32	C	ATOM 7548 CB LEU C 43	0.808	18.281	27.533	1.00	30.38	C
	ATOM 7464 CG LEU C 32	-2.159	20.519	20.807	1.00	41.90	C	ATOM 7549 CG LEU C 43	1.326	17.440	26.373	1.00	36.54	C
	ATOM 7465 CD1 LEU C 32	-1.721	19.895	22.131	1.00	40.88	C	ATOM 7550 CD1 LEU C 43	0.848	16.021	26.494	1.00	36.63	C
	ATOM 7466 CD2 LEU C 32	-1.087	21.436	20.274	1.00	42.22	C	ATOM 7551 CD2 LEU C 43	0.863	18.067	25.071	1.00	32.93	C
	ATOM 7467 C LEU C 32	-4.914	19.376	20.101	1.00	50.48	C	ATOM 7552 C LEU C 43	0.776	20.495	28.766	1.00	39.75	C
	ATOM 7468 O LEU C 32	-4.959	20.340	19.345	1.00	56.35	C	ATOM 7553 O LEU C 43	1.138	20.309	29.930	1.00	36.37	C
	ATOM 7469 N ALA C 33	-5.946	18.997	20.842	1.00	29.32	C	ATOM 7554 N VAL C 44	-0.150	21.389	28.450	1.00	33.75	C
20	ATOM 7470 CA ALA C 33	-7.223	19.686	20.734	1.00	29.84	C	ATOM 7555 CA VAL C 44	-0.784	22.176	29.494	1.00	33.43	C
	ATOM 7471 CB ALA C 33	-8.116	18.911	19.814	1.00	31.53	C	ATOM 7556 CB VAL C 44	-0.540	23.659	29.280	1.00	32.17	C
	ATOM 7472 C ALA C 33	-7.995	20.004	21.997	1.00	31.63	C	ATOM 7557 CG1 VAL C 44	-1.061	24.425	30.460	1.00	33.36	C
	ATOM 7473 O ALA C 33	-7.655	19.594	23.105	1.00	35.81	C	ATOM 7558 CG2 VAL C 44	0.943	23.912	29.062	1.00	26.78	C
	ATOM 7474 N ASN C 34	-9.064	20.755	21.787	1.00	47.19	C	ATOM 7559 C VAL C 44	-2.286	21.919	29.550	1.00	32.44	C
	ATOM 7475 CA ASN C 34	-9.960	21.158	22.846	1.00	44.38	C	ATOM 7560 O VAL C 44	-3.010	22.149	28.581	1.00	33.48	C
	ATOM 7476 CB ASN C 34	-10.797	19.967	23.272	1.00	57.33	C	ATOM 7561 N VAL C 45	-2.739	21.433	30.703	1.00	38.65	C
	ATOM 7477 CG ASN C 34	-11.591	19.415	22.133	1.00	61.25	C	ATOM 7562 CA VAL C 45	-4.135	21.094	30.925	1.00	44.39	C
	ATOM 7478 OD1 ASN C 34	-12.275	20.159	21.430	1.00	63.73	C	ATOM 7563 CB VAL C 45	-4.274	20.260	32.212	1.00	52.22	C
	ATOM 7479 ND2 ASN C 34	-11.508	18.107	21.930	1.00	56.66	C	ATOM 7564 CG1 VAL C 45	-5.721	20.136	32.603	1.00	54.79	C
25	ATOM 7480 C ASN C 34	-9.342	21.810	24.064	1.00	45.13	C	ATOM 7565 CG2 VAL C 45	-3.697	18.881	31.986	1.00	55.62	C
	ATOM 7481 O ASN C 34	-9.741	21.525	25.195	1.00	47.67	C	ATOM 7566 C VAL C 45	-5.012	22.336	31.002	1.00	46.18	C
	ATOM 7482 N GLY C 35	-8.371	22.686	23.835	1.00	49.66	C	ATOM 7567 O VAL C 45	-4.687	23.290	31.692	1.00	45.63	C
	ATOM 7483 CA GLY C 35	-7.773	23.390	24.947	1.00	44.25	C	ATOM 7568 N PRO C 46	-6.147	22.329	30.285	1.00	40.92	C
	ATOM 7484 C GLY C 35	-6.376	23.046	25.402	1.00	44.60	C	ATOM 7569 CD PRO C 46	-6.475	21.359	29.219	1.00	28.72	C
	ATOM 7485 O GLY C 35	-5.659	23.931	25.857	1.00	46.09	C	ATOM 7570 CA PRO C 46	-7.082	23.461	30.264	1.00	39.77	C
	ATOM 7486 N VAL C 36	-5.966	21.792	25.323	1.00	36.54	C	ATOM 7571 CB PRO C 46	-7.645	23.408	28.856	1.00	28.08	C
	ATOM 7487 CA VAL C 36	-4.620	21.506	25.784	1.00	37.87	C	ATOM 7572 CG PRO C 46	-7.773	21.927	28.636	1.00	28.78	C
	ATOM 7488 CB VAL C 36	-4.367	19.968	25.958	1.00	38.93	C	ATOM 7573 C PRO C 46	-8.198	23.453	31.286	1.00	43.21	C
	ATOM 7489 CG1 VAL C 36	-5.512	19.184	25.390	1.00	36.96	C	ATOM 7574 O PRO C 46	-8.947	24.415	31.358	1.00	45.67	C
	ATOM 7490 CG2 VAL C 36	-3.060	19.561	25.327	1.00	39.33	C	ATOM 7575 N SER C 47	-8.341	22.384	32.062	1.00	46.17	C
	ATOM 7491 C VAL C 36	-3.616	22.163	24.841	1.00	42.02	C	ATOM 7576 CA SER C 47	-9.421	22.337	33.049	1.00	43.29	C
30	ATOM 7492 O VAL C 36	-3.791	22.173	23.625	1.00	42.98	C	ATOM 7577 CB SER C 47	-10.747	22.081	32.340	1.00	60.97	C
	ATOM 7493 N GLU C 37	-2.575	22.743	25.426	1.00	51.77	C	ATOM 7578 OG SER C 47	-10.710	20.833	31.664	1.00	62.18	C
	ATOM 7494 CA GLU C 37	-1.563	23.432	24.656	1.00	54.37	C	ATOM 7579 C SER C 47	-9.247	21.290	34.148	1.00	39.98	C
	ATOM 7495 CB GLU C 37	-1.459	24.878	25.132	1.00	68.20	C	ATOM 7580 O SER C 47	-8.516	20.314	33.966	1.00	37.12	C
	ATOM 7496 CG GLU C 37	-2.802	25.484	25.475	1.00	75.23	C	ATOM 7581 N GLU C 48	-9.921	21.513	35.284	1.00	28.83	C
	ATOM 7497 CD GLU C 37	-2.689	26.777	26.269	1.00	78.20	C	ATOM 7582 CA GLU C 48	-9.897	20.593	36.422	1.00	33.32	C
	ATOM 7498 OE1 GLU C 37	-1.698	26.938	27.024	1.00	81.63	C	ATOM 7583 CB GLU C 48	-10.882	21.042	37.502	1.00	162.61	C
	ATOM 7499 OE2 GLU C 37	-3.606	27.625	26.155	1.00	78.76	C	ATOM 7584 CG GLU C 48	-10.690	22.454	38.025	1.00	167.35	C
	ATOM 7500 C GLU C 37	-0.220	22.758	24.807	1.00	53.26	C	ATOM 7585 CD GLU C 48	-9.618	22.551	39.094	1.00	171.70	C
	ATOM 7501 O GLU C 37	0.045	22.105	25.807	1.00	55.72	C	ATOM 7586 OE1 GLU C 48	-8.425	22.382	38.766	1.00	173.44	C
	ATOM 7502 N LEU C 38	0.619	22.909	23.791	1.00	61.71	C	ATOM 7587 OE2 GLU C 48	-9.971	22.792	40.269	1.00	169.62	C
	ATOM 7503 CA LEU C 38	1.958	22.352	23.822	1.00	63.75	C	ATOM 7588 C GLU C 48	-10.373	19.239	35.878	1.00	31.91	C
35	ATOM 7504 CB LEU C 38	2.262	21.609	22.520	1.00	35.53	C	ATOM 7589 O GLU C 48	-11.146	19.191	34.916	1.00	37.70	C

65251/C766

1	ATOM 7597 CG LEU C 50	-10.142	11.365	37.493	1.00	39.46	C	ATOM 7682 O PHE C 59	16.235	1.366	22.080	1.00	64.72	C
	ATOM 7598 CD1 LEU C 50	-9.557	12.217	38.567	1.00	36.27	C	ATOM 7683 N LYS C 60	17.719	2.960	21.520	1.00	74.56	C
	ATOM 7599 CD2 LEU C 50	-11.509	10.870	37.889	1.00	39.85	C	ATOM 7684 CA LYS C 60	18.488	2.105	20.628	1.00	75.91	C
	ATOM 7600 C LEU C 50	-8.671	13.077	34.445	1.00	45.19	C	ATOM 7685 CB LYS C 60	18.024	2.276	19.186	1.00	72.43	C
	ATOM 7601 O LEU C 50	-9.383	13.213	33.455	1.00	43.91	C	ATOM 7686 CG LYS C 60	18.852	1.499	18.182	1.00	78.62	C
	ATOM 7602 N TYR C 51	-7.382	12.780	34.351	1.00	38.45	C	ATOM 7687 CD LYS C 60	18.389	1.798	16.765	1.00	86.83	C
	ATOM 7603 CA TYR C 51	-6.744	12.589	33.049	1.00	37.10	C	ATOM 7688 CE LYS C 60	19.213	1.047	15.730	1.00	89.58	C
	ATOM 7604 CB TYR C 51	-5.774	13.735	32.738	1.00	33.61	C	ATOM 7689 NZ LYS C 60	18.704	1.303	14.354	1.00	89.92	C
	ATOM 7605 CG TYR C 51	-6.411	15.058	32.403	1.00	33.71	C	ATOM 7690 C LYS C 60	19.956	2.474	20.728	1.00	75.42	C
5	ATOM 7606 CD1 TYR C 51	-7.007	15.839	33.381	1.00	34.57	C	ATOM 7691 O LYS C 60	20.312	3.653	20.762	1.00	78.17	C
	ATOM 7607 CE1 TYR C 51	-7.571	17.058	33.075	1.00	34.13	C	ATOM 7692 N GLY C 61	20.808	1.459	20.778	1.00	87.81	C
	ATOM 7608 CD2 TYR C 51	-6.400	15.531	31.101	1.00	35.27	C	ATOM 7693 CA GLY C 61	22.228	1.711	20.875	1.00	90.37	C
	ATOM 7609 CE2 TYR C 51	-6.968	16.753	30.777	1.00	33.54	C	ATOM 7694 C GLY C 61	23.014	0.711	20.064	1.00	92.07	C
	ATOM 7610 CZ TYR C 51	-7.554	17.512	31.768	1.00	33.24	C	ATOM 7695 O GLY C 61	22.631	-0.458	19.975	1.00	95.24	C
	ATOM 7611 OH TYR C 51	-8.138	18.718	31.437	1.00	33.47	C	ATOM 7696 N GLN C 62	24.103	1.177	19.459	1.00	115.10	C
	ATOM 7612 C TYR C 51	-5.948	11.301	32.949	1.00	37.28	C	ATOM 7697 CA GLN C 62	24.965	0.315	18.660	1.00	115.41	C
	ATOM 7613 O TYR C 51	-5.324	10.851	33.920	1.00	38.17	C	ATOM 7698 CB GLN C 62	25.665	1.124	17.567	1.00	120.08	C
	ATOM 7614 N LEU C 52	-5.972	10.706	31.763	1.00	39.66	C	ATOM 7699 CG GLN C 62	24.723	1.867	16.631	1.00	124.21	C
	ATOM 7615 CA LEU C 52	-5.200	9.501	31.516	1.00	41.31	C	ATOM 7700 CD GLN C 62	23.857	0.936	15.806	1.00	130.15	C
	ATOM 7616 CB LEU C 52	-5.935	8.552	30.571	1.00	40.80	C	ATOM 7701 OE1 GLN C 62	23.089	0.141	16.344	1.00	129.75	C
10	ATOM 7617 CG LEU C 52	-5.077	7.406	30.019	1.00	36.69	C	ATOM 7702 NE2 GLN C 62	23.977	1.034	14.490	1.00	130.32	C
	ATOM 7618 CD1 LEU C 52	-4.382	6.662	31.143	1.00	38.72	C	ATOM 7703 C GLN C 62	25.997	-0.261	19.616	1.00	113.35	C
	ATOM 7619 CD2 LEU C 52	-5.961	6.477	29.204	1.00	31.02	C	ATOM 7704 O GLN C 62	26.739	0.486	20.255	1.00	114.86	C
	ATOM 7620 C LEU C 52	-3.966	10.058	30.846	1.00	42.84	C	ATOM 7705 N GLY C 63	26.028	-1.585	19.728	1.00	89.13	C
	ATOM 7621 O LEU C 52	-4.075	10.734	29.837	1.00	43.41	C	ATOM 7706 CA GLY C 63	26.977	-2.219	20.625	1.00	87.12	C
	ATOM 7622 N ILE C 53	-2.805	9.812	31.439	1.00	45.57	C	ATOM 7707 C GLY C 63	26.857	-1.659	22.029	1.00	85.20	C
	ATOM 7623 CA ILE C 53	-1.536	10.295	30.917	1.00	42.17	C	ATOM 7708 O GLY C 63	25.911	-0.936	22.325	1.00	83.24	C
	ATOM 7624 CB ILE C 53	-0.774	11.078	31.975	1.00	53.82	C	ATOM 7709 N CYS C 64	27.821	-1.968	22.890	1.00	118.85	C
	ATOM 7625 CG2 ILE C 53	0.494	11.639	31.383	1.00	54.46	C	ATOM 7710 CA CYS C 64	27.774	-1.491	24.267	1.00	123.09	C
	ATOM 7626 CG1 ILE C 53	-1.630	12.219	32.497	1.00	52.71	C	ATOM 7711 C CYS C 64	28.842	-0.496	24.714	1.00	129.18	C
	ATOM 7627 CD1 ILE C 53	-0.948	13.036	33.575	1.00	48.53	C	ATOM 7712 O CYS C 64	30.013	-0.597	24.342	1.00	132.09	C
15	ATOM 7628 C ILE C 53	-0.679	9.110	30.526	1.00	42.23	C	ATOM 7713 CB CYS C 64	27.762	-2.681	25.223	1.00	173.51	C
	ATOM 7629 O ILE C 53	-0.598	8.125	31.263	1.00	45.31	C	ATOM 7714 SG CYS C 64	26.109	-3.421	25.371	1.00	174.72	C
	ATOM 7630 N TYR C 54	-0.024	9.192	29.377	1.00	44.54	C	ATOM 7715 N PRO C 65	28.432	0.492	25.525	1.00	138.20	C
	ATOM 7631 CA TYR C 54	0.827	8.086	28.941	1.00	41.67	C	ATOM 7716 CD PRO C 65	27.027	0.862	25.768	1.00	163.63	C
	ATOM 7632 CB TYR C 54	-0.016	7.014	28.233	1.00	34.38	C	ATOM 7717 CA PRO C 65	29.328	1.526	26.047	1.00	140.54	C
	ATOM 7633 CG TYR C 54	-0.659	7.514	26.967	1.00	34.38	C	ATOM 7718 CB PRO C 65	28.363	2.569	26.615	1.00	166.16	C
	ATOM 7634 CD1 TYR C 54	0.002	7.430	25.755	1.00	34.38	C	ATOM 7719 CG PRO C 65	27.111	2.360	25.818	1.00	165.89	C
	ATOM 7635 CE1 TYR C 54	-0.546	7.959	24.594	1.00	34.38	C	ATOM 7720 C PRO C 65	30.249	0.968	27.121	1.00	143.55	C
	ATOM 7636 CD2 TYR C 54	-1.903	8.140	26.991	1.00	34.38	C	ATOM 7721 O PRO C 65	30.579	-0.218	27.122	1.00	143.82	C
	ATOM 7637 CE2 TYR C 54	-2.465	8.671	25.826	1.00	34.38	C	ATOM 7722 N SER C 66	30.650	1.838	28.039	1.00	139.54	C
	ATOM 7638 CZ TYR C 54	-1.779	8.577	24.636	1.00	34.38	C	ATOM 7723 CA SER C 66	31.527	1.453	29.130	1.00	143.14	C
20	ATOM 7639 OH TYR C 54	-2.327	9.115	23.492	1.00	34.38	C	ATOM 7724 CB SER C 66	32.541	2.567	29.397	1.00	148.32	C
	ATOM 7640 C TYR C 54	1.967	8.541	28.025	1.00	40.26	C	ATOM 7725 OG SER C 66	33.394	2.238	30.478	1.00	145.48	C
	ATOM 7641 O TYR C 54	1.951	9.631	27.452	1.00	39.11	C	ATOM 7726 C SER C 66	30.707	1.187	30.388	1.00	143.69	C
	ATOM 7642 N SER C 55	2.963	7.683	27.898	1.00	45.13	C	ATOM 7727 O SER C 66	29.487	1.363	30.396	1.00	137.11	C
	ATOM 7643 CA SER C 55	4.100	7.991	27.062	1.00	44.91	C	ATOM 7728 N THR C 67	31.398	0.760	31.441	1.00	200.84	C
	ATOM 7644 CB SER C 55	4.963	9.061	27.722	1.00	39.61	C	ATOM 7729 CA THR C 67	30.792	0.457	32.737	1.00	200.84	C
	ATOM 7645 OG SER C 55	6.139	9.278	26.963	1.00	46.17	C	ATOM 7730 CB THR C 67	30.905	1.664	33.702	1.00	181.27	C
	ATOM 7646 C SER C 55	4.955	6.761	26.797	1.00	47.89	C	ATOM 7731 OG1 THR C 67	32.271	2.089	33.778	1.00	181.27	C
	ATOM 7647 O SER C 55	5.022	5.844	27.618	1.00	45.03	C	ATOM 7732 CG2 THR C 67	30.427	1.279	35.103	1.00	181.27	C
	ATOM 7648 N GLN C 56	5.597	6.746	25.634	1.00	52.83	C	ATOM 7733 C THR C 67	29.326	0.038	32.662	1.00	200.84	C
	ATOM 7649 CA GLN C 56	6.481	5.656	25.284	1.00	53.53	C	ATOM 7734 O THR C 67	29.013	-1.119	32.377	1.00	200.84	C
25	ATOM 7650 CB GLN C 56	5.805	4.625	24.395	1.00	45.51	C	ATOM 7735 N HIS C 68	28.433	0.991	32.913	1.00	145.19	C
	ATOM 7651 CG GLN C 56	6.722	3.439	24.176	1.00	47.11	C	ATOM 7736 CA HIS C 68	27.005	0.714	32.902	1.00	140.31	C
	ATOM 7652 CD GLN C 56	6.294	2.537	23.051	1.00	50.23	C	ATOM 7737 CB HIS C 68	26.570	0.275	34.305	1.00	200.84	C
	ATOM 7653 OE1 GLN C 56	6.548	2.821	21.881	1.00	49.76	C	ATOM 7738 CG HIS C 68	25.303	-0.521	34.329	1.00	200.84	C
	ATOM 7654 NE2 GLN C 56	5.635	1.437	23.396	1.00	53.34	C	ATOM 7739 CD2 HIS C 68	24.115	-0.290	34.937	1.00	200.84	C
	ATOM 7655 C GLN C 56	7.695	6.170	24.548	1.00	56.01	C	ATOM 7740 ND1 HIS C 68	25.173	-1.730	33.681	1.00	200.84	C
	ATOM 7656 O GLN C 56	7.587	7.004	23.645	1.00	54.09	C	ATOM 7741 CE1 HIS C 68	23.960	-2.210	33.889	1.00	200.84	C
	ATOM 7657 N VAL C 57	8.858	5.674	24.945	1.00	53.90	C	ATOM 7742 NE2 HIS C 68	23.298	-1.355	34.648	1.00	200.84	C
	ATOM 7658 CA VAL C 57	10.095	6.050	24.287	1.00	48.27	C	ATOM 7743 C HIS C 68	26.223	1.954	32.475	1.00	136.14	C
	ATOM 7659 CB VAL C 57	11.033	6.831	25.216	1.00	52.02	C	ATOM 7744 O HIS C 68	26.584	3.078	32.821	1.00	135.59	C
	ATOM 7660 CG1 VAL C 57	10.338	8.079	25.704	1.00	53.22	C	ATOM 7745 N VAL C 69	25.155	1.742	31.715	1.00	86.75	C
	ATOM 7661 CG2 VAL C 57	11.474	5.955	26.376	1.00	48.95	C	ATOM 7746 CA VAL C 69	24.315	2.841	31.252	1.00	86.48	C
30	ATOM 7662 C VAL C 57	10.766	4.750	23.883	1.00	50.88	C	ATOM 7747 CB VAL C 69	24.293	2.924	29.708	1.00	87.23	C
	ATOM 7663 O VAL C 57	10.565	3.714	24.520	1.00	51.99	C	ATOM 7748 CG1 VAL C 69	23.449	4.102	29.267	1.00	86.99	C
	ATOM 7664 N LEU C 58	11.546	4.806	22.811	1.00	64.70	C	ATOM 7749 CG2 VAL C 69	25.703	3.062	29.167	1.00	85.49	C
	ATOM 7665 CA LEU C 58	12.250	3.633	22.333	1.00	63.15	C	ATOM 7750 C VAL C 69	22.884	2.649	31.750	1.00	86.07	C
	ATOM 7666 CB LEU C 58	11.762	3.251	20.940	1.00	56.52	C	ATOM 7751 O VAL C 69	22.331	1.552	31.678	1.00	89.63	C
	ATOM 7667 CG LEU C 58	11.880	1.783	20.545	1.00	58.54	C	ATOM 7752 N LEU C 70	22.293	3.719	32.267	1.00	81.07	C
	ATOM 7668 CD1 LEU C 58	11.882	1.691	19.020	1.00	52.56	C	ATOM 7753 CA LEU C 70	20.924	3.659	32.763	1.00	76.29	C
	ATOM 7669 CD2 LEU C 58	13.144	1.171	21.124	1.00	56.32	C	ATOM 7754 CB LEU C 70	20.839	4.142	34.213	1.00	76.29	C
	ATOM 7670 C LEU C 58	13.730	3.978	22.270	1.00	66.12	C	ATOM 7755 CG LEU C 70	21.478	3.275	35.298	1.00	77.99	C
	ATOM 7671 O LEU C 58	14.138	4.856	21.509	1.00	67.75	C	ATOM 7756 CD1 LEU C 70	21.188	3.886	36.657	1.00	73.03	C
	ATOM 7672 N PHE C 59	14.529	3.298	23.085	1.00	60.02	C	ATOM 7757 CD2 LEU C 70	20.933	1.860	35.228	1.00	78.59	C
	ATOM 7673 CA PHE C 59	15.964	3.527	23.092	1.00	60.92	C	ATOM 7758 C LEU C 70	20.011	4.517	31.910	1.00	77.33	C
35	ATOM 7674 CB PHE C 59	16.525	3.391	24.503	1.00	59.88	C	ATOM 7759 O LEU C 70	20.352	5.648	31.5			

65251/C766

1	ATOM 7767 O LEU C 71	16.147	4.055	32.308	1.00	74.50	C	ATOM 7852 OH TYR C 82	7.513	21.311	47.194	1.00	42.88	C
	ATOM 7768 N THR C 72	16.246	6.217	31.711	1.00	53.96	C	ATOM 7853 C TYR C 82	4.048	23.892	42.389	1.00	46.53	C
	ATOM 7769 CA THR C 72	15.095	6.575	32.525	1.00	51.39	C	ATOM 7854 O TYR C 82	4.373	22.760	42.032	1.00	46.71	C
	ATOM 7770 CB THR C 72	15.477	7.434	33.753	1.00	58.38	C	ATOM 7855 N GLN C 83	4.533	25.005	41.841	1.00	62.90	C
	ATOM 7771 OG1 THR C 72	15.746	8.781	33.348	1.00	60.91	C	ATOM 7856 CA GLN C 83	5.489	25.023	40.735	1.00	62.79	C
	ATOM 7772 CG2 THR C 72	16.697	6.864	34.432	1.00	56.10	C	ATOM 7857 CB GLN C 83	5.895	26.460	40.409	1.00	74.11	C
	ATOM 7773 C THR C 72	14.077	7.351	31.714	1.00	54.02	C	ATOM 7858 CG GLN C 83	5.172	27.114	39.247	1.00	78.38	C
	ATOM 7774 O THR C 72	14.423	8.170	30.861	1.00	55.06	C	ATOM 7859 CD GLN C 83	3.791	27.572	39.614	1.00	79.42	C
	ATOM 7775 N HIS C 73	12.810	7.077	31.984	1.00	50.67	C	ATOM 7860 OE1 GLN C 83	3.173	28.346	38.888	1.00	78.44	C
5	ATOM 7776 CA HIS C 73	11.711	7.750	31.312	1.00	51.12	C	ATOM 7861 NE2 GLN C 83	3.291	27.098	40.752	1.00	76.92	C
	ATOM 7777 CB HIS C 73	10.979	6.776	30.406	1.00	47.39	C	ATOM 7862 C GLN C 83	6.770	24.224	40.915	1.00	60.97	C
	ATOM 7778 CG HIS C 73	9.900	7.410	29.595	1.00	50.26	C	ATOM 7863 O GLN C 83	7.836	24.803	41.074	1.00	58.42	C
	ATOM 7779 CD2 HIS C 73	9.673	8.702	29.275	1.00	52.02	C	ATOM 7864 N THR C 84	6.691	22.904	40.873	1.00	69.42	C
	ATOM 7780 ND1 HIS C 73	8.879	6.684	29.022	1.00	54.87	C	ATOM 7865 CA THR C 84	7.894	22.098	41.009	1.00	61.79	C
	ATOM 7781 CE1 HIS C 73	8.065	7.503	28.387	1.00	53.41	C	ATOM 7866 CB THR C 84	8.267	21.829	42.456	1.00	78.50	C
	ATOM 7782 NE2 HIS C 73	8.525	8.733	28.525	1.00	53.58	C	ATOM 7867 OG1 THR C 84	8.307	23.059	43.182	1.00	79.05	C
	ATOM 7783 C HIS C 73	10.808	8.175	32.445	1.00	50.20	C	ATOM 7868 CG2 THR C 84	9.629	21.162	42.519	1.00	81.25	C
	ATOM 7784 O HIS C 73	10.535	7.383	33.346	1.00	46.06	C	ATOM 7869 C THR C 84	7.629	20.765	40.390	1.00	58.30	C
	ATOM 7785 N THR C 74	10.348	9.417	32.431	1.00	43.34	C	ATOM 7870 O THR C 84	6.560	20.186	40.579	1.00	59.61	C
	ATOM 7786 CA THR C 74	9.499	9.863	33.527	1.00	49.93	C	ATOM 7871 N LYS C 85	8.601	20.269	39.646	1.00	42.96	C
	ATOM 7787 CB THR C 74	10.383	10.239	34.786	1.00	45.90	C	ATOM 7872 CA LYS C 85	8.447	18.980	39.023	1.00	42.82	C
10	ATOM 7788 OG1 THR C 74	9.963	11.497	35.334	1.00	48.41	C	ATOM 7873 CB LYS C 85	9.677	18.644	38.178	1.00	53.99	C
	ATOM 7789 CG2 THR C 74	11.858	10.306	34.419	1.00	50.73	C	ATOM 7874 CG LYS C 85	9.599	19.027	36.717	1.00	50.93	C
	ATOM 7790 C THR C 74	8.562	11.009	33.162	1.00	48.78	C	ATOM 7875 CD LYS C 85	10.786	18.429	35.981	1.00	49.33	C
	ATOM 7791 O THR C 74	8.939	11.923	32.444	1.00	44.36	C	ATOM 7876 CE LYS C 85	10.688	18.628	34.472	1.00	47.63	C
	ATOM 7792 N ILE C 75	7.326	10.935	33.644	1.00	36.92	C	ATOM 7877 NZ LYS C 85	10.660	20.056	34.077	1.00	45.88	C
	ATOM 7793 CA ILE C 75	6.346	11.983	33.386	1.00	38.22	C	ATOM 7878 C LYS C 85	8.293	17.917	40.103	1.00	42.62	C
	ATOM 7794 CB ILE C 75	4.980	11.399	32.980	1.00	41.61	C	ATOM 7879 O LYS C 85	9.132	17.821	40.996	1.00	43.07	C
	ATOM 7795 CG2 ILE C 75	3.945	12.506	32.807	1.00	41.10	C	ATOM 7880 N VAL C 86	7.205	17.151	40.041	1.00	44.57	C
	ATOM 7796 CG1 ILE C 75	5.133	10.632	31.670	1.00	38.77	C	ATOM 7881 CA VAL C 86	6.991	16.033	40.956	1.00	47.46	C
	ATOM 7797 CD1 ILE C 75	3.838	10.068	31.152	1.00	42.06	C	ATOM 7882 CB VAL C 86	5.824	16.262	41.965	1.00	37.55	C
	ATOM 7798 C ILE C 75	6.185	12.783	34.668	1.00	41.36	C	ATOM 7883 CG1 VAL C 86	6.129	17.469	42.843	1.00	44.29	C
15	ATOM 7799 O ILE C 75	5.850	12.229	35.716	1.00	38.13	C	ATOM 7884 CG2 VAL C 86	4.528	16.475	41.246	1.00	38.82	C
	ATOM 7800 N SER C 76	6.434	14.087	34.577	1.00	50.38	C	ATOM 7885 C VAL C 86	6.680	14.878	40.017	1.00	48.13	C
	ATOM 7801 CA SER C 76	6.342	14.969	35.727	1.00	51.46	C	ATOM 7886 O VAL C 86	5.847	14.996	39.121	1.00	52.82	C
	ATOM 7802 CB SER C 76	7.605	15.822	35.851	1.00	62.08	C	ATOM 7887 N ASN C 87	7.382	13.772	40.189	1.00	59.45	C
	ATOM 7803 OG SER C 76	8.754	15.013	35.929	1.00	71.37	C	ATOM 7888 CA ASN C 87	7.168	12.622	39.329	1.00	56.13	C
	ATOM 7804 C SER C 76	5.167	15.908	35.627	1.00	47.46	C	ATOM 7889 CB ASN C 87	8.312	11.632	39.522	1.00	61.20	C
	ATOM 7805 O SER C 76	4.682	16.209	34.536	1.00	43.61	C	ATOM 7890 CG ASN C 87	9.631	12.182	39.053	1.00	61.50	C
	ATOM 7806 N ARG C 77	4.719	16.371	36.785	1.00	40.67	C	ATOM 7891 OD1 ASN C 87	9.692	13.249	38.438	1.00	64.11	C
	ATOM 7807 CA ARG C 77	3.645	17.334	36.850	1.00	45.85	C	ATOM 7892 ND2 ASN C 87	10.701	11.449	39.328	1.00	58.46	C
	ATOM 7808 CB ARG C 77	2.430	16.782	37.604	1.00	25.54	C	ATOM 7893 C ASN C 87	5.837	11.897	39.524	1.00	54.95	C
	ATOM 7809 CG ARG C 77	1.536	17.898	38.159	1.00	27.72	C	ATOM 7894 O ASN C 87	5.457	11.566	40.652	1.00	53.53	C
20	ATOM 7810 CD ARG C 77	0.107	17.454	38.436	1.00	28.59	C	ATOM 7895 N LEU C 88	5.139	11.641	38.418	1.00	50.75	C
	ATOM 7811 NE ARG C 77	-0.223	17.347	39.852	1.00	31.03	C	ATOM 7896 CA LEU C 88	3.866	10.922	38.453	1.00	49.74	C
	ATOM 7812 CZ ARG C 77	-1.234	17.987	40.437	1.00	34.46	C	ATOM 7897 CB LEU C 88	2.873	11.526	37.475	1.00	28.42	C
	ATOM 7813 NH1 ARG C 77	-1.467	17.814	41.726	1.00	34.55	C	ATOM 7898 CG LEU C 88	2.468	12.964	37.728	1.00	25.35	C
	ATOM 7814 NH2 ARG C 77	-2.000	18.813	39.750	1.00	34.32	C	ATOM 7899 CD1 LEU C 88	1.404	13.342	36.726	1.00	26.12	C
	ATOM 7815 C ARG C 77	4.188	18.537	37.594	1.00	44.19	C	ATOM 7900 CD2 LEU C 88	1.971	13.119	39.181	1.00	23.92	C
	ATOM 7816 O ARG C 77	4.850	18.396	38.615	1.00	49.94	C	ATOM 7901 C LEU C 88	4.091	9.483	38.054	1.00	48.98	C
	ATOM 7817 N ILE C 78	3.949	19.720	37.057	1.00	43.36	C	ATOM 7902 O LEU C 88	3.568	8.570	38.667	1.00	47.45	C
	ATOM 7818 CA ILE C 78	4.357	20.928	37.740	1.00	42.05	C	ATOM 7903 N LEU C 89	4.869	9.297	37.004	1.00	47.06	C
	ATOM 7819 CB ILE C 78	5.437	21.773	36.925	1.00	48.24	C	ATOM 7904 CA LEU C 89	5.168	7.975	36.489	1.00	45.98	C
	ATOM 7820 CG2 ILE C 78	6.019	20.958	35.795	1.00	48.74	C	ATOM 7905 CB LEU C 89	4.316	7.708	35.254	1.00	45.63	C
25	ATOM 7821 CG1 ILE C 78	4.851	23.067	36.401	1.00	49.91	C	ATOM 7906 CG LEU C 89	2.812	7.905	35.394	1.00	49.61	C
	ATOM 7822 CD1 ILE C 78	4.617	24.088	37.469	1.00	50.23	C	ATOM 7907 CD1 LEU C 89	2.207	8.050	34.026	1.00	49.34	C
	ATOM 7823 C ILE C 78	2.996	21.600	37.892	1.00	44.22	C	ATOM 7908 CD2 LEU C 89	2.197	6.743	36.101	1.00	48.73	C
	ATOM 7824 O ILE C 78	2.432	22.138	36.940	1.00	42.77	C	ATOM 7909 C LEU C 89	6.639	7.946	36.105	1.00	47.65	C
	ATOM 7825 N ALA C 79	2.450	21.495	39.100	1.00	48.65	C	ATOM 7910 O LEU C 89	7.157	8.908	35.531	1.00	48.37	C
	ATOM 7826 CA ALA C 79	1.134	22.035	39.410	1.00	45.25	C	ATOM 7911 N SER C 90	7.310	6.845	36.404	1.00	39.39	C
	ATOM 7827 CB ALA C 79	0.622	21.418	40.700	1.00	55.06	C	ATOM 7912 CA SER C 90	8.723	6.734	36.096	1.00	38.73	C
	ATOM 7828 C ALA C 79	1.077	23.547	39.514	1.00	46.45	C	ATOM 7913 CB SER C 90	9.534	7.499	37.137	1.00	58.48	C
	ATOM 7829 O ALA C 79	2.053	24.183	39.899	1.00	46.65	C	ATOM 7914 OG SER C 90	10.919	7.337	36.909	1.00	62.70	C
	ATOM 7830 N VAL C 80	-0.083	24.112	39.181	1.00	47.54	C	ATOM 7915 C SER C 90	9.223	5.297	36.040	1.00	37.36	C
	ATOM 7831 CA VAL C 80	-0.274	25.552	39.251	1.00	50.03	C	ATOM 7916 O SER C 90	8.785	4.438	36.811	1.00	37.18	C
30	ATOM 7832 CB VAL C 80	-1.663	25.976	38.729	1.00	51.00	C	ATOM 7917 N ALA C 91	10.147	5.034	35.123	1.00	38.93	C
	ATOM 7833 CG1 VAL C 80	-1.832	27.471	38.856	1.00	49.40	C	ATOM 7918 CA ALA C 91	10.714	3.702	35.006	1.00	37.02	C
	ATOM 7834 CG2 VAL C 80	-1.828	25.577	37.296	1.00	52.70	C	ATOM 7919 CB ALA C 91	9.952	2.892	33.963	1.00	34.90	C
	ATOM 7835 C VAL C 80	-0.157	25.996	40.700	1.00	54.58	C	ATOM 7920 C ALA C 91	12.193	3.791	34.651	1.00	40.99	C
	ATOM 7836 O VAL C 80	0.304	27.096	40.979	1.00	53.17	C	ATOM 7921 O ALA C 91	12.664	4.812	34.152	1.00	42.86	C
	ATOM 7837 N SER C 81	-0.566	25.137	41.624	1.00	68.88	C	ATOM 7922 N ILE C 92	12.920	2.718	34.928	1.00	48.45	C
	ATOM 7838 CA SER C 81	-0.502	25.482	43.034	1.00	71.74	C	ATOM 7923 CA ILE C 92	14.347	2.656	34.654	1.00	48.43	C
	ATOM 7839 CB SER C 81	-1.706	24.899	43.763	1.00	63.03	C	ATOM 7924 CB ILE C 92	15.157	2.697	35.961	1.00	46.43	C
	ATOM 7840 OG SER C 81	-2.906	25.485	43.290	1.00	66.07	C	ATOM 7925 CG2 ILE C 92	16.629	2.779	35.648	1.00	52.50	C
	ATOM 7841 C SER C 81	0.778	25.038	43.726	1.00	75.92	C	ATOM 7926 CG1 ILE C 92	14.742	3.909	36.793	1.00	44.54	C
	ATOM 7842 O SER C 81	0.875	25.136	44.947	1.00	76.44	C	ATOM 7927 CD1 ILE C 92	15.366	3.958	38.154	1.00	50.41	C
	ATOM 7843 N TYR C 82	1.755	24.554	42.957	1.00	45.06	C	ATOM 7928 C ILE C 92	14.647	1.347	33.935	1.00	48.26	C
35	ATOM 7844 CA TYR C 82	3.039	24.095	43.515	1.00	47.10	C	ATOM 7929 O ILE C 92	13.989	0.331	34.182	1.00	49.34	C
	ATOM 7845 CB TYR C 82	2												

65251/C766

1	ATOM 7937 C LYS C 93	17.487	0.136	32.077	1.00	69.73	C	ATOM 8022 CG GLU C 105	30.883	-10.029	16.054	1.00	200.84	C
	ATOM 7938 O LYS C 93	18.075	1.158	31.711	1.00	67.65	C	ATOM 8023 CD GLU C 105	30.458	-9.816	14.615	1.00	200.84	C
	ATOM 7939 N SER C 94	18.102	-1.027	32.298	1.00	84.12	C	ATOM 8024 OE1 GLU C 105	30.973	-8.877	13.972	1.00	200.84	C
	ATOM 7940 CA SER C 94	19.547	-1.205	32.121	1.00	86.57	C	ATOM 8025 OE2 GLU C 105	29.605	-10.587	14.126	1.00	200.77	C
	ATOM 7941 CB SER C 94	20.143	-1.899	33.344	1.00	97.00	C	ATOM 8026 C GLU C 105	30.413	-6.392	17.286	1.00	175.47	C
5	ATOM 7942 OG SER C 94	19.540	-3.168	33.548	1.00	99.43	C	ATOM 8027 O GLU C 105	30.692	-5.216	17.051	1.00	175.47	C
	ATOM 7943 C SER C 94	19.830	-2.041	30.877	1.00	89.16	C	ATOM 8028 N ALA C 106	29.478	-6.768	18.159	1.00	176.37	C
	ATOM 7944 O SER C 94	19.796	-3.270	30.929	1.00	90.43	C	ATOM 8029 CA ALA C 106	28.672	-5.836	18.951	1.00	176.37	C
	ATOM 7945 N PRO C 95	20.138	-1.381	29.748	1.00	84.54	C	ATOM 8030 CB ALA C 106	29.500	-4.614	19.357	1.00	73.32	C
	ATOM 7946 CD PRO C 95	20.425	0.062	29.641	1.00	88.99	C	ATOM 8031 C ALA C 106	27.413	-5.392	18.206	1.00	176.37	C
10	ATOM 7947 CA PRO C 95	20.422	-2.059	28.480	1.00	88.48	C	ATOM 8032 O ALA C 106	27.381	-4.317	17.605	1.00	176.37	C
	ATOM 7948 CB PRO C 95	20.548	-0.900	27.499	1.00	91.93	C	ATOM 8033 N LYS C 107	26.378	-6.230	18.255	1.00	146.42	C
	ATOM 7949 CG PRO C 95	21.197	0.151	28.342	1.00	89.38	C	ATOM 8034 CA LYS C 107	25.100	-5.945	17.599	1.00	140.54	C
	ATOM 7950 C PRO C 95	21.677	-2.914	28.537	1.00	92.91	C	ATOM 8035 CB LYS C 107	24.195	-7.184	17.631	1.00	180.18	C
	ATOM 7951 O PRO C 95	21.608	-4.140	28.624	1.00	96.34	C	ATOM 8036 CG LYS C 107	24.557	-8.294	16.651	1.00	180.13	C
15	ATOM 7952 N CYS C 96	22.827	-2.257	28.480	1.00	170.00	C	ATOM 8037 CD LYS C 107	25.906	-8.924	16.954	1.00	181.56	C
	ATOM 7953 CA CYS C 96	24.094	-2.956	28.530	1.00	169.79	C	ATOM 8038 CE LYS C 107	26.131	-10.155	16.088	1.00	177.60	C
	ATOM 7954 C CYS C 96	24.437	-3.312	29.962	1.00	170.89	C	ATOM 8039 NZ LYS C 107	25.976	-9.856	14.638	1.00	177.86	C
	ATOM 7955 O CYS C 96	24.779	-2.446	30.767	1.00	171.19	C	ATOM 8040 C LYS C 107	24.365	-4.781	18.265	1.00	136.02	C
	ATOM 7956 CB CYS C 96	25.193	-2.091	27.925	1.00	200.84	C	ATOM 8041 O LYS C 107	24.743	-4.332	19.348	1.00	135.15	C
20	ATOM 7957 SG CYS C 96	25.017	-1.886	26.127	1.00	200.84	C	ATOM 8042 N PRO C 108	23.301	-4.274	17.616	1.00	102.95	C
	ATOM 7958 N GLN C 97	24.329	-4.599	30.270	1.00	200.84	C	ATOM 8043 CD PRO C 108	22.857	-4.575	16.242	1.00	74.78	C
	ATOM 7959 CA GLN C 97	24.631	-5.108	31.599	1.00	200.84	C	ATOM 8044 CA PRO C 108	22.528	-3.161	18.174	1.00	101.69	C
	ATOM 7960 CB GLN C 97	23.999	-6.491	31.774	1.00	161.99	C	ATOM 8045 CB PRO C 108	21.880	-2.548	16.939	1.00	73.93	C
	ATOM 7961 CG GLN C 97	22.515	-6.535	31.440	1.00	161.99	C	ATOM 8046 CG PRO C 108	21.578	-3.754	16.115	1.00	71.31	C
25	ATOM 7962 CD GLN C 97	22.006	-7.950	31.212	1.00	161.99	C	ATOM 8047 C PRO C 108	21.496	-3.668	19.176	1.00	100.92	C
	ATOM 7963 OE1 GLN C 97	22.104	-8.808	32.089	1.00	161.99	C	ATOM 8048 O PRO C 108	21.133	-4.845	19.154	1.00	99.10	C
	ATOM 7964 NE2 GLN C 97	21.459	-8.197	30.026	1.00	161.99	C	ATOM 8049 N TRP C 109	21.035	-2.784	20.057	1.00	86.14	C
	ATOM 7965 C GLN C 97	26.149	-5.202	31.751	1.00	200.84	C	ATOM 8050 CA TRP C 109	20.036	-3.158	21.051	1.00	83.59	C
	ATOM 7966 O GLN C 97	26.669	-6.199	32.254	1.00	200.84	C	ATOM 8051 CB TRP C 109	20.654	-3.261	22.448	1.00	81.46	C
30	ATOM 7967 N ARG C 98	26.846	-4.158	31.301	1.00	200.84	C	ATOM 8052 CG TRP C 109	21.381	-2.036	22.903	1.00	81.15	C
	ATOM 7968 CA ARG C 98	28.306	-4.087	31.364	1.00	200.84	C	ATOM 8053 CD2 TRP C 109	20.808	-0.865	23.498	1.00	80.16	C
	ATOM 7969 CB ARG C 98	28.787	-4.429	32.784	1.00	190.81	C	ATOM 8054 CE2 TRP C 109	21.870	0.025	23.775	1.00	79.41	C
	ATOM 7970 CG ARG C 98	30.297	-4.557	32.945	1.00	190.81	C	ATOM 8055 CE3 TRP C 109	19.501	-0.481	23.823	1.00	80.26	C
	ATOM 7971 CD ARG C 98	31.028	-3.249	32.669	1.00	190.81	C	ATOM 8056 CD1 TRP C 109	22.724	-1.814	22.843	1.00	78.25	C
35	ATOM 7972 NE ARG C 98	32.477	-3.442	32.616	1.00	190.81	C	ATOM 8057 NE1 TRP C 109	23.028	-0.579	23.368	1.00	76.57	C
	ATOM 7973 CZ ARG C 98	33.202	-3.971	33.598	1.00	190.81	C	ATOM 8058 CZ2 TRP C 109	21.666	1.275	24.360	1.00	75.86	C
	ATOM 7974 NH1 ARG C 98	34.513	-4.107	33.454	1.00	190.81	C	ATOM 8059 CZ3 TRP C 109	19.299	0.762	24.406	1.00	80.02	C
	ATOM 7975 NH2 ARG C 98	32.622	-4.365	34.724	1.00	190.81	C	ATOM 8060 CH2 TRP C 109	20.378	1.625	24.668	1.00	75.66	C
	ATOM 7976 C ARG C 98	28.981	-5.002	30.330	1.00	200.84	C	ATOM 8061 C TRP C 109	18.884	-2.170	21.092	1.00	85.20	C

65251/C766

1	ATOM 8107 CZ TYR C 114	0.892	3.207	27.338	1.00	40.50	C	ATOM 8192 N ARG C 126	1.233	21.670	34.141	1.00	56.42	C
	ATOM 8108 OH TYR C 114	-0.354	3.762	27.119	1.00	40.00	C	ATOM 8193 CA ARG C 126	2.151	21.389	33.044	1.00	51.90	C
	ATOM 8109 C TYR C 114	5.456	3.031	29.917	1.00	37.03	C	ATOM 8194 CB ARG C 126	3.328	22.368	33.075	1.00	82.47	C
	ATOM 8110 O TYR C 114	5.813	2.420	30.920	1.00	39.94	C	ATOM 8195 CG ARG C 126	3.001	23.799	32.737	1.00	80.96	C
	ATOM 8111 N LEU C 115	4.726	4.141	29.959	1.00	46.66	C	ATOM 8196 CD ARG C 126	4.207	24.694	33.025	1.00	85.88	C
	ATOM 8112 CA LEU C 115	4.295	4.756	31.205	1.00	45.70	C	ATOM 8197 NE ARG C 126	4.077	26.004	32.384	1.00	89.43	C
	ATOM 8113 CB LEU C 115	5.181	5.960	31.496	1.00	56.80	C	ATOM 8198 CZ ARG C 126	4.311	26.241	31.090	1.00	92.66	C
	ATOM 8114 CG LEU C 115	6.191	5.936	32.645	1.00	60.05	C	ATOM 8199 NH1 ARG C 126	4.153	27.466	30.588	1.00	92.33	C
	ATOM 8115 CD1 LEU C 115	6.856	4.583	32.782	1.00	58.43	C	ATOM 8200 NH2 ARG C 126	4.725	25.258	30.293	1.00	90.85	C
5	ATOM 8116 CD2 LEU C 115	7.215	7.025	32.393	1.00	63.35	C	ATOM 8201 C ARG C 126	2.684	19.965	33.168	1.00	52.74	C
	ATOM 8117 C LEU C 115	2.849	5.214	31.058	1.00	48.14	C	ATOM 8202 O ARG C 126	3.229	19.593	34.193	1.00	49.96	C
	ATOM 8118 O LEU C 115	2.470	5.744	30.010	1.00	50.67	C	ATOM 8203 N LEU C 127	2.537	19.168	32.124	1.00	42.78	C
	ATOM 8119 N GLY C 116	2.046	5.023	32.102	1.00	38.12	C	ATOM 8204 CA LEU C 127	3.028	17.794	32.162	1.00	39.16	C
	ATOM 8120 CA GLY C 116	0.660	5.449	32.024	1.00	32.46	C	ATOM 8205 CB LEU C 127	1.933	16.829	31.708	1.00	38.37	C
	ATOM 8121 C GLY C 116	-0.140	5.278	33.296	1.00	36.31	C	ATOM 8206 CG LEU C 127	0.679	16.907	32.581	1.00	37.35	C
	ATOM 8122 O GLY C 116	0.005	4.286	34.016	1.00	35.19	C	ATOM 8207 CD1 LEU C 127	-0.468	16.195	31.914	1.00	37.93	C
	ATOM 8123 N GLY C 117	-1.000	6.253	33.563	1.00	41.02	C	ATOM 8208 CD2 LEU C 127	0.970	16.298	33.923	1.00	38.01	C
	ATOM 8124 CA GLY C 117	-1.833	6.209	34.751	1.00	44.02	C	ATOM 8209 C LEU C 127	4.250	17.659	31.263	1.00	38.91	C
	ATOM 8125 C GLY C 117	-2.851	7.330	34.767	1.00	45.33	C	ATOM 8210 O LEU C 127	4.266	18.184	30.152	1.00	35.11	C
	ATOM 8126 O GLY C 117	-2.776	8.239	33.948	1.00	46.71	C	ATOM 8211 N SER C 128	5.268	16.955	31.757	1.00	42.40	C
10	ATOM 8127 N VAL C 118	-3.803	7.271	35.694	1.00	29.05	C	ATOM 8212 CA SER C 128	6.507	16.749	31.017	1.00	42.07	C
	ATOM 8128 CA VAL C 118	-4.831	8.304	35.786	1.00	31.83	C	ATOM 8213 CB SER C 128	7.678	17.398	31.754	1.00	79.99	C
	ATOM 8129 CB VAL C 118	-6.220	7.657	35.995	1.00	31.59	C	ATOM 8214 OG SER C 128	7.308	18.647	32.307	1.00	85.84	C
	ATOM 8130 CG1 VAL C 118	-7.291	8.727	36.165	1.00	32.99	C	ATOM 8215 C SER C 128	6.806	15.260	30.860	1.00	41.25	C
	ATOM 8131 CG2 VAL C 118	-6.539	6.771	34.806	1.00	31.65	C	ATOM 8216 O SER C 128	6.596	14.468	31.779	1.00	42.53	C
	ATOM 8132 C VAL C 118	-4.512	9.277	36.921	1.00	29.74	C	ATOM 8217 N ALA C 129	7.295	14.889	29.688	1.00	49.88	C
	ATOM 8133 O VAL C 118	-4.100	8.852	38.000	1.00	33.69	C	ATOM 8218 CA ALA C 129	7.662	13.514	29.414	1.00	50.85	C
	ATOM 8134 N PHE C 119	-4.706	10.573	36.670	1.00	32.16	C	ATOM 8219 CB ALA C 129	6.806	12.960	28.289	1.00	64.91	C
	ATOM 8135 CA PHE C 119	-4.395	11.606	37.660	1.00	33.47	C	ATOM 8220 C ALA C 129	9.129	13.594	28.995	1.00	49.62	C
	ATOM 8136 CB PHE C 119	-2.988	12.173	37.408	1.00	27.78	C	ATOM 8221 O ALA C 129	9.434	13.894	27.845	1.00	50.50	C
	ATOM 8137 CG PHE C 119	-1.885	11.152	37.536	1.00	25.38	C	ATOM 8222 N GLU C 130	10.033	13.328	29.930	1.00	52.71	C
	ATOM 8138 CD1 PHE C 119	-1.554	10.326	36.469	1.00	23.57	C	ATOM 8223 CA GLU C 130	11.454	13.423	29.657	1.00	53.68	C
15	ATOM 8139 CD2 PHE C 119	-1.213	10.970	38.747	1.00	24.06	C	ATOM 8224 CB GLU C 130	12.051	14.481	30.582	1.00	97.40	C
	ATOM 8140 CE1 PHE C 119	-0.570	9.328	36.603	1.00	24.64	C	ATOM 8225 CG GLU C 130	11.411	15.845	30.404	1.00	96.94	C
	ATOM 8141 CE2 PHE C 119	-0.240	9.985	38.886	1.00	24.87	C	ATOM 8226 CD GLU C 130	11.604	16.763	31.600	1.00	102.43	C
	ATOM 8142 CZ PHE C 119	0.083	9.159	37.806	1.00	23.96	C	ATOM 8227 OE1 GLU C 130	11.171	17.936	31.523	1.00	103.80	C
	ATOM 8143 C PHE C 119	-5.378	12.780	37.727	1.00	34.38	C	ATOM 8228 OE2 GLU C 130	12.179	16.318	32.618	1.00	102.24	C
	ATOM 8144 O PHE C 119	-6.014	13.137	36.727	1.00	30.48	C	ATOM 8229 C GLU C 130	12.237	12.121	29.780	1.00	50.07	C
	ATOM 8145 N GLN C 120	-5.488	13.370	38.922	1.00	38.70	C	ATOM 8230 O GLU C 130	11.764	11.152	30.364	1.00	49.99	C
	ATOM 8146 CA GLN C 120	-6.344	14.525	39.171	1.00	42.07	C	ATOM 8231 N ILE C 131	13.433	12.108	29.194	1.00	36.29	C
	ATOM 8147 CB GLN C 120	-6.725	14.594	40.647	1.00	69.48	C	ATOM 8232 CA ILE C 131	14.346	10.969	29.250	1.00	38.83	C
	ATOM 8148 CG GLN C 120	-8.211	14.588	40.943	1.00	69.63	C	ATOM 8233 CB ILE C 131	14.458	10.249	27.901	1.00	54.50	C
	ATOM 8149 CD GLN C 120	-8.971	15.649	40.180	1.00	69.23	C	ATOM 8234 CG2 ILE C 131	13.131	9.596	27.554	1.00	54.73	C
20	ATOM 8150 OE1 GLN C 120	-8.506	16.773	40.040	1.00	68.79	C	ATOM 8235 CG1 ILE C 131	14.903	11.239	26.826	1.00	50.69	C
	ATOM 8151 NE2 GLN C 120	-10.155	15.300	39.694	1.00	72.06	C	ATOM 8236 CD1 ILE C 131	15.129	10.600	25.478	1.00	49.30	C
	ATOM 8152 C GLN C 120	-5.459	15.723	38.830	1.00	41.21	C	ATOM 8237 C ILE C 131	15.726	11.516	29.616	1.00	40.72	C
	ATOM 8153 O GLN C 120	-4.389	15.883	39.416	1.00	43.91	C	ATOM 8238 O ILE C 131	15.980	12.711	29.470	1.00	41.44	C
	ATOM 8154 N LEU C 121	-5.900	16.562	37.894	1.00	32.45	C	ATOM 8239 N ASN C 132	16.618	10.647	30.076	1.00	62.23	C
	ATOM 8155 CA LEU C 121	-5.123	17.727	37.465	1.00	34.11	C	ATOM 8240 CA ASN C 132	17.952	11.075	30.473	1.00	59.23	C
	ATOM 8156 CB LEU C 121	-4.678	17.545	36.009	1.00	30.55	C	ATOM 8241 CB ASN C 132	18.393	10.286	31.693	1.00	56.93	C
	ATOM 8157 CG LEU C 121	-3.322	16.900	35.711	1.00	28.82	C	ATOM 8242 CG ASN C 132	18.574	8.824	31.386	1.00	55.63	C
	ATOM 8158 CD1 LEU C 121	-2.912	15.933	36.781	1.00	30.21	C	ATOM 8243 OD1 ASN C 132	17.779	8.228	30.661	1.00	57.32	C
	ATOM 8159 CD2 LEU C 121	-3.405	16.218	34.363	1.00	24.31	C	ATOM 8244 ND2 ASN C 132	19.620	8.227	31.939	1.00	53.46	C
	ATOM 8160 C LEU C 121	-5.902	19.016	37.582	1.00	36.15	C	ATOM 8245 C ASN C 132	19.003	10.932	29.372	1.00	56.88	C
25	ATOM 8161 O LEU C 121	-7.125	19.022	37.444	1.00	41.42	C	ATOM 8246 O ASN C 132	19.976	11.676	29.365	1.00	60.05	C
	ATOM 8162 N LEU C 122	-5.175	20.106	37.826	1.00	44.38	C	ATOM 8247 N ARG C 133	18.816	9.985	28.451	1.00	70.42	C
	ATOM 8163 CA GLU C 122	-5.748	21.451	37.959	1.00	45.92	C	ATOM 8248 CA ARG C 133	19.775	9.768	27.357	1.00	66.01	C
	ATOM 8164 CB GLU C 122	-4.976	22.297	38.982	1.00	113.28	C	ATOM 8249 CB ARG C 133	20.372	8.360	27.447	1.00	87.13	C
	ATOM 8165 CG GLU C 122	-4.902	21.809	40.410	1.00	116.32	C	ATOM 8250 CG ARG C 133	21.136	8.088	28.727	1.00	89.71	C
	ATOM 8166 CD GLU C 122	-4.003	22.710	41.259	1.00	121.60	C	ATOM 8251 CD ARG C 133	22.265	9.083	28.913	1.00	94.95	C
	ATOM 8167 OE1 GLU C 122	-2.790	22.803	40.957	1.00	123.10	C	ATOM 8252 NE ARG C 133	23.223	9.050	27.810	1.00	92.81	C
	ATOM 8168 OE2 GLU C 122	-4.508	23.334	42.219	1.00	121.69	C	ATOM 8253 CZ ARG C 133	24.089	8.065	27.592	1.00	93.91	C
	ATOM 8169 C GLU C 122	-5.623	22.185	36.623	1.00	44.72	C	ATOM 8254 NH1 ARG C 133	24.920	8.128	26.559	1.00	96.59	C
	ATOM 8170 O GLU C 122	-4.712	21.918	35.844	1.00	45.91	C	ATOM 8255 NH2 ARG C 133	24.131	7.019	28.410	1.00	93.20	C
	ATOM 8171 N LYS C 123	-6.525	23.125	36.368	1.00	46.18	C	ATOM 8256 C ARG C 133	19.181	9.971	25.959	1.00	70.60	C
30	ATOM 8172 CA LYS C 123	-6.434	23.922	35.156	1.00	47.03	C	ATOM 8257 O ARG C 133	19.049	9.024	25.187	1.00	72.96	C
	ATOM 8173 CB LYS C 123	-7.579	24.927	35.091	1.00	73.83	C	ATOM 8258 N PRO C 134	18.836	11.219	25.611	1.00	58.27	C
	ATOM 8174 CG LYS C 123	-7.419	25.923	33.975	1.00	69.99	C	ATOM 8259 CD PRO C 134	19.069	12.455	26.372	1.00	56.01	C
	ATOM 8175 CD LYS C 123	-8.509	26.959	34.007	1.00	67.66	C	ATOM 8260 CA PRO C 134	18.259	11.530	24.300	1.00	61.99	C
	ATOM 8176 CE LYS C 123	-8.291	27.991	32.912	1.00	69.39	C	ATOM 8261 CB PRO C 134	18.031	13.039	24.368	1.00	58.73	C
	ATOM 8177 NZ LYS C 123	-9.309	29.089	32.969	1.00	73.40	C	ATOM 8262 CG PRO C 134	19.114	13.487	25.269	1.00	60.73	C
	ATOM 8178 C LYS C 123	-5.096	24.676	35.237	1.00	47.85	C	ATOM 8263 C PRO C 134	19.154	11.140	23.141	1.00	67.17	C
	ATOM 8179 O LYS C 123	-4.811	25.359	36.228	1.00	52.61	C	ATOM 8264 O PRO C 134	18.723	11.146	21.993	1.00	70.21	C
	ATOM 8180 N GLY C 124	-4.269	24.539	34.207	1.00	38.64	C	ATOM 8265 N ASP C 135	20.401	10.806	23.439	1.00	71.52	C
	ATOM 8181 CA GLY C 124	-2.986	25.214	34.209	1.00	39.75	C	ATOM 8266 CA ASP C 135	21.322	10.406	22.392	1.00	67.98	C
	ATOM 8182 C GLY C 124	-1.784	24.322	34.473	1.00	41.16	C	ATOM 8267 CB ASP C 135	22.766	10.559	22.875	1.00	91.25	C
	ATOM 8183 O GLY C 124	-0.652	24.765	34.284	1.00	41.96	C	ATOM 8268 CG ASP C 135	22.963	10.070	24.290	1.00		

65251/C766

1	ATOM 8277	CD1 TYR C 136	21.878	5.937	25.236	1.00	77.70	C	ATOM 8362	C TYR C 146	4.510	9.771	23.318	1.00	38.11	C
	ATOM 8278	CE1 TYR C 136	23.155	5.565	25.646	1.00	80.25	C	ATOM 8363	O TYR C 146	5.047	9.192	24.267	1.00	36.28	C
	ATOM 8279	CD2 TYR C 136	22.239	4.902	23.112	1.00	80.27	C	ATOM 8364	N PHE C 147	3.634	10.752	23.468	1.00	33.61	C
	ATOM 8280	CE2 TYR C 136	23.518	4.522	23.513	1.00	79.74	C	ATOM 8365	CA PHE C 147	3.251	11.277	24.762	1.00	33.13	C
	ATOM 8281	CZ TYR C 136	23.967	4.858	24.782	1.00	81.04	C	ATOM 8366	CB PHE C 147	4.270	12.355	25.140	1.00	31.34	C
5	ATOM 8282	OH TYR C 136	25.222	4.480	25.192	1.00	84.88	C	ATOM 8367	CG PHE C 147	3.903	13.183	26.330	1.00	30.39	C
	ATOM 8283	C TYR C 136	18.454	6.788	21.801	1.00	64.02	C	ATOM 8368	CD1 PHE C 147	3.261	12.627	27.423	1.00	30.88	C
	ATOM 8284	O TYR C 136	17.940	5.702	21.528	1.00	66.90	C	ATOM 8369	CD2 PHE C 147	4.292	14.528	26.391	1.00	32.72	C
	ATOM 8285	N LEU C 137	17.815	7.941	21.654	1.00	71.75	C	ATOM 8370	CE1 PHE C 147	3.017	13.394	28.567	1.00	31.21	C
	ATOM 8286	CA LEU C 137	16.442	7.997	21.184	1.00	68.46	C	ATOM 8371	CE2 PHE C 147	4.051	15.302	27.530	1.00	31.29	C
10	ATOM 8287	CB LEU C 137	15.933	9.430	21.250	1.00	67.39	C	ATOM 8372	CZ PHE C 147	3.414	14.729	28.621	1.00	32.13	C
	ATOM 8288	CG LEU C 137	14.730	9.696	22.144	1.00	65.12	C	ATOM 8373	C PHE C 147	1.857	11.855	24.572	1.00	34.67	C
	ATOM 8289	CD1 LEU C 137	14.239	11.106	21.872	1.00	67.26	C	ATOM 8374	O PHE C 147	1.614	12.614	23.643	1.00	32.15	C
	ATOM 8290	CD2 LEU C 137	13.626	8.689	21.866	1.00	68.88	C	ATOM 8375	N GLY C 148	0.924	11.467	25.423	1.00	33.63	C
	ATOM 8291	C LEU C 137	16.246	7.494	19.767	1.00	67.83	C	ATOM 8376	CA GLY C 148	-0.420	11.990	25.284	1.00	38.11	C
15	ATOM 8292	O LEU C 137	16.780	8.086	18.830	1.00	66.68	C	ATOM 8377	C GLY C 148	-1.238	11.976	26.564	1.00	40.33	C
	ATOM 8293	N LEU C 138	15.483	6.410	19.603	1.00	61.12	C	ATOM 8378	O GLY C 148	-0.846	11.398	27.576	1.00	42.94	C
	ATOM 8294	CA LEU C 138	15.192	5.897	18.262	1.00	58.92	C	ATOM 8379	N ILE C 149	-2.384	12.643	26.506	1.00	35.68	C
	ATOM 8295	CB LEU C 138	15.253	4.366	18.192	1.00	67.88	C	ATOM 8380	CA ILE C 149	-3.305	12.705	27.620	1.00	34.09	C
	ATOM 8296	CG LEU C 138	14.679	3.829	16.861	1.00	64.00	C	ATOM 8381	CB ILE C 149	-2.983	13.869	28.571	1.00	43.66	C
20	ATOM 8297	CD1 LEU C 138	15.275	4.597	15.688	1.00	65.57	C	ATOM 8382	CG2 ILE C 149	-1.511	13.839	28.952	1.00	44.21	C
	ATOM 8298	CD2 LEU C 138	14.952	2.346	16.712	1.00	66.92	C	ATOM 8383	CG1 ILE C 149	-3.305	15.202	27.903	1.00	39.70	C
	ATOM 8299	C LEU C 138	13.811	6.346	17.800	1.00	62.27	C	ATOM 8384	CD1 ILE C 149	-3.165	16.363	28.849	1.00	42.95	C
	ATOM 8300	O LEU C 138	12.799	5.740	18.145	1.00	61.42	C	ATOM 8385	C ILE C 149	-4.720	12.880	27.084	1.00	36.13	C
	ATOM 8301	N PHE C 139	13.778	7.419	17.024	1.00	64.25	C	ATOM 8386	O ILE C 149	-4.939	13.483	26.036	1.00	41.30	C
25	ATOM 8302	CA PHE C 139	12.527	7.929	16.497	1.00	65.63	C	ATOM 8387	N ILE C 150	-5.678	12.338	27.812	1.00	48.87	C
	ATOM 8303	CB PHE C 139	12.287	9.366	16.988	1.00	92.97	C	ATOM 8388	CA ILE C 150	-7.074	12.427	27.433	1.00	49.38	C
	ATOM 8304	CG PHE C 139	13.493	10.261	16.899	1.00	92.12	C	ATOM 8389	CB ILE C 150	-7.538	11.104	26.752	1.00	37.00	C
	ATOM 8305	CD1 PHE C 139	13.638	11.324	17.782	1.00	91.65	C	ATOM 8390	CG2 ILE C 150	-7.234	9.915	27.644	1.00	40.30	C
	ATOM 8306	CD2 PHE C 139	14.470	10.062	15.930	1.00	94.73	C	ATOM 8391	CG1 ILE C 150	-9.032	11.155	26.442	1.00	34.99	C
30	ATOM 8307	CE1 PHE C 139	14.738	12.174	17.703	1.00	96.29	C	ATOM 8392	CD1 ILE C 150	-9.395	12.096	25.336	1.00	33.00	C
	ATOM 8308	CE2 PHE C 139	15.572	10.907	15.843	1.00	92.27	C	ATOM 8393	C ILE C 150	-7.859	12.670	28.723	1.00	50.72	C
	ATOM 8309	CZ PHE C 139	15.705	11.965	16.732	1.00	96.21	C	ATOM 8394	O ILE C 150	-7.601	12.035	29.746	1.00	49.83	C
	ATOM 8310	C PHE C 139	12.583	7.857	14.973	1.00	69.66	C	ATOM 8395	N ALA C 151	-8.794	13.609	28.687	1.00	46.42	C
	ATOM 8311	O PHE C 139	12.102	8.748	14.269	1.00	69.76	C	ATOM 8396	CA ALA C 151	-9.598	13.900	29.861	1.00	45.16	C
35	ATOM 8312	N ALA C 140	13.177	6.774	14.476	1.00	68.80	C	ATOM 8397	CB ALA C 151	-10.171	15.289	29.753	1.00	23.47	C
	ATOM 8313	CA ALA C 140	13.326	6.564	13.041	1.00	70.10	C	ATOM 8398	C ALA C 151	-10.724	12.864	30.007	1.00	46.12	C
	ATOM 8314	CB ALA C 140	14.445	5.574	12.779	1.00	73.35	C	ATOM 8399	O ALA C 151	-11.526	12.656	29.097	1.00	48.50	C
	ATOM 8315	C ALA C 140	12.051	6.075	12.371	1.00	70.49	C	ATOM 8400	N LEU C 152	-10.769	12.205	31.157	1.00	73.18	C
	ATOM 8316	O ALA C 140	11.670	6.584	11.314	1.00	72.38	C	ATOM 8401	CA LEU C 152	-11.786	11.201	31.402	1.00	77.16	C

65251/C766

1	ATOM 8447 CE2 TYR C 157	2.105	13.874	-5.426	1.00	48.86	C	ATOM 8532 CB LEU C 168	-3.269	17.538	-29.482	1.00	107.96	C
	ATOM 8448 CZ TYR C 157	3.416	14.164	-5.082	1.00	48.86	C	ATOM 8533 CG LEU C 168	-2.880	17.331	-30.950	1.00	107.96	C
	ATOM 8449 OH TYR C 157	4.219	13.202	-4.509	1.00	48.86	C	ATOM 8534 CD1 LEU C 168	-1.534	16.636	-31.039	1.00	107.96	C
	ATOM 8450 C TYR C 157	0.765	19.377	-8.105	1.00	53.42	C	ATOM 8535 CD2 LEU C 168	-3.958	16.525	-31.658	1.00	107.96	C
	ATOM 8451 O TYR C 157	-0.287	19.883	-7.682	1.00	53.42	C	ATOM 8536 C LEU C 168	-4.512	19.070	-27.951	1.00	134.70	C
5	ATOM 8452 N ASN C 158	1.205	19.537	-9.356	1.00	65.75	C	ATOM 8537 O LEU C 168	-4.453	20.296	-27.852	1.00	134.70	C
	ATOM 8453 CA ASN C 158	0.485	20.347	-10.345	1.00	65.75	C	ATOM 8538 N TYR C 169	-4.570	18.256	-26.903	1.00	93.30	C
	ATOM 8454 CB ASN C 158	1.294	21.627	-10.648	1.00	57.21	C	ATOM 8539 CA TYR C 169	-4.534	18.746	-25.540	1.00	93.30	C
	ATOM 8455 CG ASN C 158	0.586	22.581	-11.611	1.00	67.91	C	ATOM 8540 CB TYR C 169	-5.663	18.131	-24.716	1.00	70.75	C
	ATOM 8456 OD1 ASN C 158	-0.495	22.279	-12.123	1.00	67.91	C	ATOM 8541 CG TYR C 169	-7.044	18.601	-25.083	1.00	70.75	C
10	ATOM 8457 ND2 ASN C 158	1.215	23.737	-11.852	1.00	67.91	C	ATOM 8542 CD1 TYR C 169	-7.687	18.122	-26.215	1.00	70.75	C
	ATOM 8458 C ASN C 158	0.254	19.558	-11.635	1.00	65.75	C	ATOM 8543 CE1 TYR C 169	-8.968	18.553	-26.547	1.00	70.75	C
	ATOM 8459 O ASN C 158	1.203	19.198	-12.332	1.00	65.75	C	ATOM 8544 CD2 TYR C 169	-7.712	19.526	-24.286	1.00	70.75	C
	ATOM 8460 N TYR C 159	-1.009	19.271	-11.932	1.00	53.68	C	ATOM 8545 CE2 TYR C 169	-8.989	19.966	-24.603	1.00	70.75	C
	ATOM 8461 CA TYR C 159	-1.358	18.558	-13.152	1.00	53.68	C	ATOM 8546 CZ TYR C 169	-9.613	19.477	-25.733	1.00	70.75	C
15	ATOM 8462 CB TYR C 159	-2.337	17.412	-12.894	1.00	64.95	C	ATOM 8547 OH TYR C 169	-10.878	19.920	-26.045	1.00	70.75	C
	ATOM 8463 CG TYR C 159	-1.844	16.285	-12.024	1.00	68.51	C	ATOM 8548 C TYR C 169	-3.206	18.318	-24.945	1.00	93.30	C
	ATOM 8464 CD1 TYR C 159	-1.901	16.378	-10.634	1.00	68.51	C	ATOM 8549 O TYR C 169	-2.897	17.126	-24.908	1.00	93.30	C
	ATOM 8465 CE1 TYR C 159	-1.528	15.311	-9.826	1.00	68.51	C	ATOM 8550 N ASP C 170	-2.411	19.281	-24.494	1.00	76.82	C
	ATOM 8466 CD2 TYR C 159	-1.392	15.094	-12.589	1.00	68.51	C	ATOM 8551 CA ASP C 170	-1.132	18.943	-23.881	1.00	76.82	C
20	ATOM 8467 CE2 TYR C 159	-1.015	14.019	-11.790	1.00	68.51	C	ATOM 8552 CB ASP C 170	-0.111	20.064	-24.066	1.00	107.20	C
	ATOM 8468 CZ TYR C 159	-1.088	14.133	-10.405	1.00	68.51	C	ATOM 8553 CG ASP C 170	0.734	19.876	-25.305	1.00	107.20	C
	ATOM 8469 OH TYR C 159	-0.732	13.070	-9.603	1.00	68.51	C	ATOM 8554 OD1 ASP C 170	1.098	18.716	-25.598	1.00	107.20	C
	ATOM 8470 C TYR C 159	-2.057	19.576	-14.041	1.00	53.68	C	ATOM 8555 OD2 ASP C 170	1.047	20.881	-25.975	1.00	107.20	C
	ATOM 8471 O TYR C 159	-2.995	20.263	-13.597	1.00	53.68	C	ATOM 8556 C ASP C 170	-1.316	18.674	-22.399	1.00	76.82	C
25	ATOM 8472 N THR C 160	-1.618	19.677	-15.293	1.00	80.04	C	ATOM 8557 O ASP C 170	-2.261	19.164	-21.780	1.00	76.82	C
	ATOM 8473 CA THR C 160	-2.227	20.638	-16.204	1.00	80.04	C	ATOM 8558 N GLY C 171	-0.412	17.883	-21.838	1.00	65.00	C
	ATOM 8474 CB THR C 160	-1.422	21.948	-16.219	1.00	95.91	C	ATOM 8559 CA GLY C 171	-0.500	17.571	-20.432	1.00	65.00	C
	ATOM 8475 OG1 THR C 160	-1.256	22.425	-14.877	1.00	83.25	C	ATOM 8560 C GLY C 171	0.862	17.578	-19.774	1.00	65.00	C
	ATOM 8476 CG2 THR C 160	-2.149	23.001	-17.036	1.00	83.25	C	ATOM 8561 O GLY C 171	1.837	17.047	-20.318	1.00	65.00	C
30	ATOM 8477 C THR C 160	-2.392	20.178	-17.649	1.00	80.04	C	ATOM 8562 N VAL C 172	0.938	18.208	-18.607	1.00	73.07	C
	ATOM 8478 O THR C 160	-1.431	19.727	-18.278	1.00	80.04	C	ATOM 8563 CA VAL C 172	2.178	18.246	-17.844	1.00	73.07	C
	ATOM 8479 N VAL C 161	-3.619	20.275	-18.162	1.00	77.22	C	ATOM 8564 CB VAL C 172	2.927	19.586	-17.946	1.00	71.73	C
	ATOM 8480 CA VAL C 161	-3.882	19.934	-19.558	1.00	77.22	C	ATOM 8565 CG1 VAL C 172	3.813	19.581	-19.151	1.00	63.74	C
	ATOM 8481 CB VAL C 161	-5.011	18.884	-19.744	1.00	101.00	C	ATOM 8566 CG2 VAL C 172	1.937	20.745	-17.979	1.00	63.74	C
35	ATOM 8482 CG1 VAL C 161	-4.752	17.689	-18.863	1.00	85.51	C	ATOM 8567 C VAL C 172	1.883	18.041	-16.383	1.00	73.07	C
	ATOM 8483 CG2 VAL C 161	-6.362	19.493	-19.457	1.00	85.51	C	ATOM 8568 O VAL C 172	0.773	18.285	-15.909	1.00	73.07	C
	ATOM 8484 C VAL C 161	-4.294	21.241	-20.223	1.00	77.22	C	ATOM 8569 N PHE C 173	2.905	17.593	-15.674	1.00	68.65	C
	ATOM 8485 O VAL C 161	-5.084	22.015	-19.662	1.00	77.22	C	ATOM 8570 CA PHE C 173	2.806	17.373	-14.259	1.00	68.65	C
	ATOM 8486 N THR C 162	-3.744	21.493	-21.407	1.00	124.39	C	ATOM 8571 CB PHE C 173	2.595	15.902	-13.956	1.00	79.77	C

65251/C766

1	ATOM 8617 CE2 TYR C 177	12.314	19.440	0.800	1.00	58.18	C	ATOM 8702 C TYR C 187	2.573	13.491	-23.711	1.00	71.24	C
	ATOM 8618 CZ TYR C 177	11.341	19.066	1.718	1.00	58.18	C	ATOM 8703 O TYR C 187	2.670	14.465	-24.455	1.00	71.24	C
	ATOM 8619 OH TYR C 177	11.608	19.132	3.068	1.00	58.18	C	ATOM 8704 N ASN C 188	2.995	12.278	-24.047	1.00	114.91	C
	ATOM 8620 C TYR C 177	10.033	21.434	-2.533	1.00	65.78	C	ATOM 8705 CA ASN C 188	3.610	11.994	-25.334	1.00	114.91	C
	ATOM 8621 O TYR C 177	11.127	21.727	-2.999	1.00	65.78	C	ATOM 8706 CB ASN C 188	4.529	10.787	-25.193	1.00	200.84	C
5	ATOM 8622 N ASN C 178	9.337	22.266	-1.763	1.00	67.47	C	ATOM 8707 CG ASN C 188	5.243	10.458	-26.471	1.00	82.71	C
	ATOM 8623 CA ASN C 178	9.810	23.627	-1.521	1.00	67.47	C	ATOM 8708 OD1 ASN C 188	4.620	10.300	-27.518	1.00	82.71	C
	ATOM 8624 CB ASN C 178	11.210	23.647	-0.911	1.00	70.72	C	ATOM 8709 ND2 ASN C 188	6.559	10.347	-26.398	1.00	82.71	C
	ATOM 8625 CG ASN C 178	11.210	23.282	0.540	1.00	63.19	C	ATOM 8710 C ASN C 188	2.512	11.694	-26.358	1.00	114.91	C
	ATOM 8626 OD1 ASN C 178	10.155	23.212	1.170	1.00	63.19	C	ATOM 8711 O ASN C 188	1.832	10.672	-26.263	1.00	114.91	C
10	ATOM 8627 ND2 ASN C 178	12.400	23.057	1.097	1.00	63.19	C	ATOM 8712 N HIS C 189	2.342	12.575	-27.339	1.00	98.57	C
	ATOM 8628 C ASN C 178	9.853	24.205	-2.929	1.00	67.47	C	ATOM 8713 CA HIS C 189	1.303	12.391	-28.350	1.00	98.57	C
	ATOM 8629 O ASN C 178	8.914	24.012	-3.702	1.00	67.47	C	ATOM 8714 CB HIS C 189	1.139	13.677	-29.143	1.00	135.71	C
	ATOM 8630 N ASP C 179	10.934	24.892	-3.278	1.00	73.98	C	ATOM 8715 CG HIS C 189	0.468	14.756	-28.366	1.00	96.25	C
	ATOM 8631 CA ASP C 179	11.044	25.449	-4.617	1.00	73.98	C	ATOM 8716 CD2 HIS C 189	0.973	15.813	-27.691	1.00	96.25	C
15	ATOM 8632 CB ASP C 179	11.639	26.868	-4.570	1.00	65.69	C	ATOM 8717 ND1 HIS C 189	-0.892	14.763	-28.136	1.00	96.25	C
	ATOM 8633 CG ASP C 179	12.991	26.932	-3.862	1.00	69.64	C	ATOM 8718 CE1 HIS C 189	-1.195	15.779	-27.349	1.00	96.25	C
	ATOM 8634 OD1 ASP C 179	13.504	25.871	-3.417	1.00	69.64	C	ATOM 8719 NE2 HIS C 189	-0.081	16.432	-27.064	1.00	96.25	C
	ATOM 8635 OD2 ASP C 179	13.536	28.060	-3.758	1.00	69.64	C	ATOM 8720 C HIS C 189	1.510	11.218	-29.293	1.00	98.57	C
	ATOM 8636 C ASP C 179	11.874	24.546	-5.528	1.00	73.98	C	ATOM 8721 O HIS C 189	0.549	10.647	-29.812	1.00	98.57	C
20	ATOM 8637 O ASP C 179	12.258	24.951	-6.618	1.00	73.98	C	ATOM 8722 N GLU C 190	2.765	10.860	-29.509	1.00	117.70	C
	ATOM 8638 N GLN C 180	12.128	23.315	-5.085	1.00	62.75	C	ATOM 8723 CA GLU C 190	3.092	9.750	-30.380	1.00	117.70	C
	ATOM 8639 CA GLN C 180	12.911	22.343	-5.854	1.00	62.75	C	ATOM 8724 CB GLU C 190	4.594	9.754	-30.656	1.00	162.77	C
	ATOM 8640 CB GLN C 180	13.724	21.466	-4.911	1.00	74.34	C	ATOM 8725 CG GLU C 190	5.017	9.054	-31.928	1.00	137.19	C
	ATOM 8641 CG GLN C 180	14.584	22.217	-3.948	1.00	65.97	C	ATOM 8726 CD GLU C 190	6.505	9.204	-32.187	1.00	137.19	C
25	ATOM 8642 CD GLN C 180	15.570	23.105	-4.644	1.00	65.97	C	ATOM 8727 OE1 GLU C 190	7.307	8.679	-31.385	1.00	137.19	C
	ATOM 8643 OE1 GLN C 180	15.372	24.314	-4.734	1.00	65.97	C	ATOM 8728 OE2 GLU C 190	6.878	9.853	-33.187	1.00	137.19	C
	ATOM 8644 NE2 GLN C 180	16.645	22.509	-5.154	1.00	65.97	C	ATOM 8729 C GLU C 190	2.685	8.464	-29.665	1.00	117.70	C
	ATOM 8645 C GLN C 180	12.089	21.409	-6.749	1.00	62.75	C	ATOM 8730 O GLU C 190	1.899	7.672	-30.184	1.00	117.70	C
	ATOM 8646 O GLN C 180	11.254	20.645	-6.266	1.00	62.75	C	ATOM 8731 N THR C 191	3.204	8.288	-28.453	1.00	103.47	C
30	ATOM 8647 N LEU C 181	12.336	21.454	-8.051	1.00	66.00	C	ATOM 8732 CA THR C 191	2.942	7.106	-27.636	1.00	103.47	C
	ATOM 8648 CA LEU C 181	11.630	20.567	-8.961	1.00	66.00	C	ATOM 8733 CB THR C 191	3.999	6.973	-26.536	1.00	89.25	C
	ATOM 8649 CB LEU C 181	11.942	20.930	-10.410	1.00	87.35	C	ATOM 8734 OG1 THR C 191	5.289	6.810	-27.131	1.00	89.25	C
	ATOM 8650 CG LEU C 181	11.336	19.972	-11.435	1.00	74.78	C	ATOM 8735 CG2 THR C 191	3.706	5.782	-25.663	1.00	89.25	C
	ATOM 8651 CD1 LEU C 181	9.815	19.996	-11.314	1.00	74.78	C	ATOM 8736 C THR C 191	1.568	7.056	-26.973	1.00	103.47	C
35	ATOM 8652 CD2 LEU C 181	11.774	20.358	-12.837	1.00	74.78	C	ATOM 8737 O THR C 191	1.039	5.974	-26.724	1.00	103.47	C
	ATOM 8653 C LEU C 181	12.098	19.137	-8.673	1.00	66.00	C	ATOM 8738 N ARG C 192	1.005	8.221	-26.670	1.00	88.03	C
	ATOM 8654 O LEU C 181	13.302	18.870	-8.590	1.00	66.00	C	ATOM 8739 CA ARG C 192	-0.306	8.312	-26.029	1.00	88.03	C
	ATOM 8655 N VAL C 182	11.149	18.222	-8.509	1.00	55.70	C	ATOM 8740 CB ARG C 192	-1.311	7.395	-26.735	1.00	155.17	C
	ATOM 8656 CA VAL C 182	11.492	16.836	-8.229	1.00	55.70	C	ATOM 8741 CG ARG C 192	-1.617	7.828	-28.152	1.00	155.17	C

65251/C766

1	ATOM 8787 CA PHE C 198	12.934	15.227	-15.286	1.00	82.18	C	ATOM 8872 CD ARG C 207	15.828	5.578	0.700	1.00	83.72	C
	ATOM 8788 CB PHE C 198	12.832	16.732	-15.046	1.00	79.50	C	ATOM 8873 NE ARG C 207	16.640	6.701	0.238	1.00	83.72	C
	ATOM 8789 CG PHE C 198	13.827	17.248	-14.063	1.00	79.50	C	ATOM 8874 CZ ARG C 207	17.263	7.552	1.051	1.00	83.72	C
	ATOM 8790 CD1 PHE C 198	15.068	17.694	-14.485	1.00	79.50	C	ATOM 8875 NH1 ARG C 207	17.159	7.406	2.370	1.00	83.72	C
	ATOM 8791 CD2 PHE C 198	13.544	17.240	-12.706	1.00	79.50	C	ATOM 8876 NH2 ARG C 207	17.992	8.544	0.548	1.00	83.72	C
	ATOM 8792 CE1 PHE C 198	16.017	18.124	-13.567	1.00	79.50	C	ATOM 8877 C ARG C 207	11.118	6.372	-0.265	1.00	58.41	C
	ATOM 8793 CE2 PHE C 198	14.485	17.666	-11.779	1.00	79.50	C	ATOM 8878 O ARG C 207	11.103	6.875	0.857	1.00	58.41	C
	ATOM 8794 CZ PHE C 198	15.726	18.110	-12.211	1.00	79.50	C	ATOM 8879 N SER C 208	10.152	6.577	-1.158	1.00	60.28	C
	ATOM 8795 C PHE C 198	12.746	14.506	-13.961	1.00	82.18	C	ATOM 8880 CA SER C 208	8.997	7.416	-0.848	1.00	60.28	C
5	ATOM 8796 O PHE C 198	11.626	14.205	-13.552	1.00	82.18	C	ATOM 8881 CB SER C 208	9.033	8.717	-1.644	1.00	86.74	C
	ATOM 8797 N ARG C 199	13.860	14.240	-13.294	1.00	76.37	C	ATOM 8882 OG SER C 208	7.956	9.549	-1.255	1.00	86.74	C
	ATOM 8798 CA ARG C 199	13.833	13.598	-11.996	1.00	76.37	C	ATOM 8883 C SER C 208	7.710	6.670	-1.161	1.00	60.28	C
	ATOM 8799 CB ARG C 199	13.894	12.082	-12.116	1.00	89.98	C	ATOM 8884 O SER C 208	6.999	6.989	-2.122	1.00	60.28	C
	ATOM 8800 CG ARG C 199	13.909	11.419	-10.754	1.00	89.98	C	ATOM 8885 N PRO C 209	7.394	5.662	-0.336	1.00	60.44	C
	ATOM 8801 CD ARG C 199	12.535	11.462	-10.122	1.00	89.98	C	ATOM 8886 CD PRO C 209	8.186	5.352	0.870	1.00	55.08	C
	ATOM 8802 NE ARG C 199	11.843	10.198	-10.342	1.00	89.98	C	ATOM 8887 CA PRO C 209	6.223	4.785	-0.414	1.00	60.44	C
	ATOM 8803 CZ ARG C 199	10.544	10.078	-10.594	1.00	89.98	C	ATOM 8888 CB PRO C 209	6.236	4.077	0.937	1.00	55.08	C
	ATOM 8804 NH1 ARG C 199	9.774	11.153	-10.667	1.00	89.98	C	ATOM 8889 CG PRO C 209	7.681	3.979	1.241	1.00	55.08	C
	ATOM 8805 NH2 ARG C 199	10.014	8.876	-10.772	1.00	89.98	C	ATOM 8890 C PRO C 209	4.911	5.508	-0.636	1.00	60.44	C
	ATOM 8806 C ARG C 199	15.037	14.072	-11.205	1.00	76.37	C	ATOM 8891 O PRO C 209	3.982	4.951	-1.223	1.00	60.44	C
10	ATOM 8807 O ARG C 199	16.171	13.832	-11.599	1.00	76.37	C	ATOM 8892 N HIS C 210	4.832	6.751	-0.170	1.00	61.45	C
	ATOM 8808 N ALA C 200	14.792	14.749	-10.091	1.00	75.19	C	ATOM 8893 CA HIS C 210	3.592	7.498	-0.284	1.00	61.45	C
	ATOM 8809 CA ALA C 200	15.883	15.242	-9.269	1.00	75.19	C	ATOM 8894 CB HIS C 210	3.327	8.204	1.037	1.00	63.74	C
	ATOM 8810 CB ALA C 200	15.330	15.941	-8.031	1.00	63.11	C	ATOM 8895 CG HIS C 210	3.140	7.254	2.177	1.00	63.74	C
	ATOM 8811 C ALA C 200	16.803	14.088	-8.872	1.00	75.19	C	ATOM 8896 CD2 HIS C 210	3.955	6.923	3.206	1.00	63.74	C
	ATOM 8812 O ALA C 200	16.350	13.001	-8.516	1.00	75.19	C	ATOM 8897 ND1 HIS C 210	2.020	6.460	2.301	1.00	63.74	C
	ATOM 8813 N ASP C 201	18.102	14.338	-8.949	1.00	96.72	C	ATOM 8898 CE1 HIS C 210	2.153	5.680	3.359	1.00	63.74	C
	ATOM 8814 CA ASP C 201	19.112	13.347	-8.615	1.00	96.72	C	ATOM 8899 NE2 HIS C 210	3.318	5.941	3.925	1.00	63.74	C
	ATOM 8815 CB ASP C 201	20.499	13.925	-8.887	1.00	120.74	C	ATOM 8900 C HIS C 210	3.471	8.446	-1.455	1.00	61.45	C
	ATOM 8816 CG ASP C 201	20.681	15.300	-8.273	1.00	120.74	C	ATOM 8901 O HIS C 210	2.519	9.223	-1.536	1.00	61.45	C
	ATOM 8817 OD1 ASP C 201	20.015	16.249	-8.741	1.00	120.74	C	ATOM 8902 N THR C 211	4.442	8.391	-2.359	1.00	72.09	C
	ATOM 8818 OD2 ASP C 201	21.480	15.429	-7.321	1.00	120.74	C	ATOM 8903 CA THR C 211	4.382	9.204	-3.563	1.00	72.09	C
15	ATOM 8819 C ASP C 201	19.053	12.857	-7.172	1.00	96.72	C	ATOM 8904 CB THR C 211	5.779	9.470	-4.154	1.00	74.07	C
	ATOM 8820 O ASP C 201	19.431	11.721	-6.890	1.00	96.72	C	ATOM 8905 OG1 THR C 211	6.568	10.221	-3.221	1.00	74.07	C
	ATOM 8821 N TRP C 202	18.582	13.703	-6.260	1.00	102.79	C	ATOM 8906 CG2 THR C 211	5.652	10.254	-5.448	1.00	74.07	C
	ATOM 8822 CA TRP C 202	18.515	13.329	-4.843	1.00	102.79	C	ATOM 8907 C THR C 211	3.603	8.284	-4.498	1.00	72.09	C
	ATOM 8823 CB TRP C 202	18.651	14.570	-3.954	1.00	83.13	C	ATOM 8908 O THR C 211	3.980	7.129	-4.686	1.00	72.09	C
	ATOM 8824 CG TRP C 202	17.677	15.677	-4.256	1.00	83.13	C	ATOM 8909 N PRO C 212	2.502	8.774	-5.081	1.00	83.23	C
	ATOM 8825 CD2 TRP C 202	16.362	15.839	-3.712	1.00	83.13	C	ATOM 8910 CD PRO C 212	2.029	10.166	-4.986	1.00	67.57	C
	ATOM 8826 CE2 TRP C 202	15.828	17.031	-4.255	1.00	83.13	C	ATOM 8911 CA PRO C 212	1.657	7.990	-5.994	1.00	83.23	C
	ATOM 8827 CE3 TRP C 202	15.583	15.094	-2.819	1.00	83.13	C	ATOM 8912 CB PRO C 212	0.751	9.046	-6.615	1.00	67.57	C
	ATOM 8828 CD1 TRP C 202	17.879	16.743	-5.086	1.00	83.13	C	ATOM 8913 CG PRO C 212	0.608	10.057	-5.500	1.00	67.57	C
	ATOM 8829 NE1 TRP C 202	16.774	17.563	-5.088	1.00	83.13	C	ATOM 8914 C PRO C 212	2.408	7.178	-7.052	1.00	83.23	C
20	ATOM 8830 CZ2 TRP C 202	14.552	17.494	-3.933	1.00	83.13	C	ATOM 8915 O PRO C 212	3.394	7.648	-7.622	1.00	83.23	C
	ATOM 8831 CZ3 TRP C 202	14.316	15.555	-2.498	1.00	83.13	C	ATOM 8916 N GLY C 213	1.931	5.961	-7.313	1.00	78.37	C
	ATOM 8832 CH2 TRP C 202	13.813	16.747	-3.055	1.00	83.13	C	ATOM 8917 CA GLY C 213	2.555	5.098	-8.309	1.00	78.37	C
	ATOM 8833 C TRP C 202	17.271	12.564	-4.401	1.00	102.79	C	ATOM 8918 C GLY C 213	2.063	5.380	-9.718	1.00	78.37	C
	ATOM 8834 O TRP C 202	17.208	12.077	-3.271	1.00	102.79	C	ATOM 8919 O GLY C 213	1.220	6.258	-9.915	1.00	78.37	C
	ATOM 8835 N PHE C 203	16.294	12.443	-5.288	1.00	76.28	C	ATOM 8920 N ASN C 214	2.571	4.635	-10.698	1.00	75.62	C
	ATOM 8836 CA PHE C 203	15.051	11.772	-4.948	1.00	76.28	C	ATOM 8921 CA ASN C 214	2.192	4.828	-12.101	1.00	75.62	C
	ATOM 8837 CB PHE C 203	13.879	12.579	-5.506	1.00	65.61	C	ATOM 8922 CB ASN C 214	0.697	4.604	-12.325	1.00	103.20	C
	ATOM 8838 CG PHE C 203	12.538	12.095	-5.055	1.00	65.61	C	ATOM 8923 CG ASN C 214	0.155	3.467	-11.522	1.00	97.37	C
	ATOM 8839 CD1 PHE C 203	12.136	12.258	-3.731	1.00	65.61	C	ATOM 8924 OD1 ASN C 214	0.909	2.640	-11.016	1.00	97.37	C
	ATOM 8840 CD2 PHE C 203	11.667	11.490	-5.954	1.00	65.61	C	ATOM 8925 ND2 ASN C 214	-1.167	3.407	-11.401	1.00	97.37	C
25	ATOM 8841 CE1 PHE C 203	10.879	11.826	-3.308	1.00	65.61	C	ATOM 8926 C ASN C 214	2.499	6.262	-12.479	1.00	75.62	C
	ATOM 8842 CE2 PHE C 203	10.407	11.052	-5.543	1.00	65.61	C	ATOM 8927 O ASN C 214	1.643	6.967	-13.026	1.00	75.62	C
	ATOM 8843 CZ PHE C 203	10.009	11.221	-4.216	1.00	65.61	C	ATOM 8928 N ASP C 215	3.718	6.696	-12.179	1.00	89.35	C
	ATOM 8844 C PHE C 203	14.957	10.342	-5.451	1.00	76.28	C	ATOM 8929 CA ASP C 215	4.121	8.059	-12.476	1.00	89.35	C
	ATOM 8845 O PHE C 203	14.768	10.118	-6.644	1.00	76.28	C	ATOM 8930 CB ASP C 215	4.398	8.210	-13.964	1.00	180.94	C
	ATOM 8846 N ASN C 204	15.101	9.376	-4.548	1.00	73.86	C	ATOM 8931 CG ASP C 215	5.432	7.229	-14.451	1.00	102.32	C
	ATOM 8847 CA ASN C 204	14.977	7.964	-4.914	1.00	73.86	C	ATOM 8932 OD1 ASP C 215	6.550	7.214	-13.894	1.00	102.32	C
	ATOM 8848 CB ASN C 204	15.886	7.081	-4.039	1.00	111.25	C	ATOM 8933 OD2 ASP C 215	5.128	6.467	-15.385	1.00	102.32	C
	ATOM 8849 CG ASN C 204	15.590	5.593	-4.200	1.00	111.25	C	ATOM 8934 C ASP C 215	3.017	9.010	-12.050	1.00	89.35	C
	ATOM 8850 OD1 ASN C 204	14.511	5.137	-3.835	1.00	111.25	C	ATOM 8935 O ASP C 215	2.404	9.687	-12.882	1.00	89.35	C
	ATOM 8851 ND2 ASN C 204	16.524	4.840	-4.775	1.00	111.25	C	ATOM 8936 N TYR C 216	2.755	9.024	-10.745	1.00	57.38	C
30	ATOM 8852 C ASN C 204	13.510	7.654	-4.644	1.00	73.86	C	ATOM 8937 CA TYR C 216	1.748	9.896	-10.155	1.00	57.38	C
	ATOM 8853 O ASN C 204	13.117	7.436	-3.501	1.00	73.86	C	ATOM 8938 CB TYR C 216	2.209	11.358	-10.242	1.00	75.92	C
	ATOM 8854 N ILE C 205	12.697	7.655	-5.694	1.00	67.17	C	ATOM 8939 CG TYR C 216	3.594	11.596	-9.694	1.00	54.67	C
	ATOM 8855 CA ILE C 205	11.263	7.411	-5.544	1.00	67.17	C	ATOM 8940 CD1 TYR C 216	4.714	11.081	-10.340	1.00	54.67	C
	ATOM 8856 CB ILE C 205	10.554	7.441	-6.905	1.00	52.23	C	ATOM 8941 CE1 TYR C 216	5.993	11.269	-9.827	1.00	54.67	C
	ATOM 8857 CG ILE C 205	10.703	6.091	-7.598	1.00	52.23	C	ATOM 8942 CD2 TYR C 216	3.787	12.316	-8.511	1.00	54.67	C
	ATOM 8858 CG1 ILE C 205	9.075	7.764	-6.703	1.00	52.23	C	ATOM 8943 CE2 TYR C 216	5.060	12.516	-7.987	1.00	54.67	C
	ATOM 8859 CD1 ILE C 205	8.380	8.276	-7.958	1.00	52.23	C	ATOM 8944 CZ TYR C 216	6.160	11.989	-8.653	1.00	54.67	C
	ATOM 8860 C ILE C 205	10.905	6.105	-4.831	1.00	67.17	C	ATOM 8945 OH TYR C 216	7.430	12.179	-8.157	1.00	54.67	C
	ATOM 8861 O ILE C 205	9.783	5.941	-4.359	1.00	67.17	C	ATOM 8946 C TYR C 216	0.356	9.769	-10.773	1.00	57.38	C
	ATOM 8862 N SER C 206	11.855	5.179	-4.754	1.00	83.68	C	ATOM 8947 O TYR C 216	-0.391	10.750	-10.830	1.00	57.38	C
	ATOM 8863 CA SER C 206	11.612	3.910	-4.080	1.00	83.68	C	ATOM 8948 N ASN C 217	-0.001	8.565	-11.214	1.00	65.08	C
35	ATOM 8864 CB SER C 206	12.687	2.896	-4.460	1.00	89.38	C	ATOM 8949 CA ASN C 217	-1.309					

65251/C766

1	ATOM 8957 CA PHE C 218	-0.512	10.656	-14.721	1.00	69.52	C	ATOM 9042 O LYS C 226	-11.002	16.965	-21.531	1.00	89.18	C
	ATOM 8958 CB PHE C 218	0.851	10.890	-15.353	1.00	89.43	C	ATOM 9043 N GLU C 227	-11.043	15.008	-20.418	1.00	67.66	C
	ATOM 8959 CG PHE C 218	0.836	11.969	-16.382	1.00	85.95	C	ATOM 9044 CA GLU C 227	-12.491	14.843	-20.512	1.00	67.66	C
	ATOM 8960 CD1 PHE C 218	0.925	13.303	-16.009	1.00	85.95	C	ATOM 9045 CB GLU C 227	-12.934	13.563	-19.799	1.00	132.41	C
	ATOM 8961 CD2 PHE C 218	0.665	11.661	-17.722	1.00	85.95	C	ATOM 9046 CG GLU C 227	-14.417	13.262	-19.957	1.00	108.21	C
5	ATOM 8962 CE1 PHE C 218	0.840	14.319	-16.958	1.00	85.95	C	ATOM 9047 CD GLU C 227	-14.922	12.206	-18.983	1.00	108.21	C
	ATOM 8963 CE2 PHE C 218	0.579	12.668	-18.678	1.00	85.95	C	ATOM 9048 OE1 GLU C 227	-14.320	11.112	-18.915	1.00	108.21	C
	ATOM 8964 CZ PHE C 218	0.667	13.999	-18.294	1.00	85.95	C	ATOM 9049 OE2 GLU C 227	-15.931	12.474	-18.291	1.00	108.21	C
	ATOM 8965 C PHE C 218	-1.499	10.332	-15.831	1.00	69.52	C	ATOM 9050 C GLU C 227	-13.187	16.035	-19.869	1.00	67.66	C
	ATOM 8966 O PHE C 218	-2.339	11.164	-16.178	1.00	69.52	C	ATOM 9051 O GLU C 227	-14.094	16.621	-20.447	1.00	67.66	C
10	ATOM 8967 N ASN C 219	-1.387	9.136	-16.404	1.00	69.12	C	ATOM 9052 N THR C 228	-12.748	16.394	-18.669	1.00	102.40	C
	ATOM 8968 CA ASN C 219	-2.296	8.741	-17.472	1.00	69.12	C	ATOM 9053 CA THR C 228	-13.336	17.510	-17.941	1.00	102.40	C
	ATOM 8969 CB ASN C 219	-2.036	7.299	-17.908	1.00	88.57	C	ATOM 9054 CB THR C 228	-12.692	17.666	-16.559	1.00	102.51	C
	ATOM 8970 CG ASN C 219	-0.618	7.085	-18.382	1.00	80.20	C	ATOM 9055 OG1 THR C 228	-12.848	16.447	-15.824	1.00	88.50	C
	ATOM 8971 OD1 ASN C 219	-0.016	7.968	-18.988	1.00	80.20	C	ATOM 9056 CG2 THR C 228	-13.349	18.813	-15.793	1.00	88.50	C
15	ATOM 8972 ND2 ASN C 219	-0.077	5.903	-18.121	1.00	80.20	C	ATOM 9057 C THR C 228	-13.197	18.833	-18.679	1.00	102.40	C
	ATOM 8973 C ASN C 219	-3.740	8.887	-17.002	1.00	69.12	C	ATOM 9058 O THR C 228	-14.110	19.661	-18.665	1.00	102.40	C
	ATOM 8974 O ASN C 219	-4.590	9.392	-17.737	1.00	69.12	C	ATOM 9059 N LEU C 229	-12.051	19.039	-19.313	1.00	111.37	C
	ATOM 8975 N PHE C 220	-4.016	8.458	-15.772	1.00	67.46	C	ATOM 9060 CA LEU C 229	-11.837	20.276	-20.037	1.00	111.37	C
	ATOM 8976 CA PHE C 220	-5.365	8.564	-15.235	1.00	67.46	C	ATOM 9061 CB LEU C 229	-10.380	20.382	-20.489	1.00	77.64	C
20	ATOM 8977 CB PHE C 220	-5.426	8.034	-13.802	1.00	64.94	C	ATOM 9062 CG LEU C 229	-10.000	21.662	-21.246	1.00	49.52	C
	ATOM 8978 CG PHE C 220	-6.699	8.400	-13.078	1.00	57.92	C	ATOM 9063 CD1 LEU C 229	-10.586	22.894	-20.570	1.00	49.52	C
	ATOM 8979 CD1 PHE C 220	-7.858	7.649	-13.253	1.00	57.92	C	ATOM 9064 CD2 LEU C 229	-8.478	21.745	-21.316	1.00	49.52	C
	ATOM 8980 CD2 PHE C 220	-6.757	9.540	-12.275	1.00	57.92	C	ATOM 9065 C LEU C 229	-12.779	20.366	-21.232	1.00	111.37	C
	ATOM 8981 CE1 PHE C 220	-9.060	8.029	-12.640	1.00	57.92	C	ATOM 9066 O LEU C 229	-13.330	21.430	-21.511	1.00	111.37	C
25	ATOM 8982 CE2 PHE C 220	-7.949	9.930	-11.662	1.00	57.92	C	ATOM 9067 N GLU C 230	-12.975	19.248	-21.928	1.00	82.96	C
	ATOM 8983 CZ PHE C 220	-9.103	9.173	-11.845	1.00	57.92	C	ATOM 9068 CA GLU C 230	-13.863	19.225	-23.083	1.00	82.96	C
	ATOM 8984 C PHE C 220	-5.841	10.009	-15.238	1.00	67.46	C	ATOM 9069 CB GLU C 230	-13.836	17.850	-23.748	1.00	142.41	C
	ATOM 8985 O PHE C 220	-6.896	10.324	-15.794	1.00	67.46	C	ATOM 9070 CG GLU C 230	-12.529	17.552	-24.455	1.00	106.87	C
	ATOM 8986 N TRP C 221	-5.061	10.884	-14.607	1.00	55.74	C	ATOM 9071 CD GLU C 230	-12.528	16.200	-25.145	1.00	106.87	C
30	ATOM 8987 CA TRP C 221	-5.430	12.291	-14.518	1.00	55.74	C	ATOM 9072 OE1 GLU C 230	-13.470	15.937	-25.922	1.00	106.87	C
	ATOM 8988 CB TRP C 221	-4.484	13.021	-13.558	1.00	54.66	C	ATOM 9073 OE2 GLU C 230	-11.586	15.405	-24.919	1.00	106.87	C
	ATOM 8989 CG TRP C 221	-4.734	12.684	-12.116	1.00	47.81	C	ATOM 9074 C GLU C 230	-15.288	19.587	-22.683	1.00	82.96	C
	ATOM 8990 CD2 TRP C 221	-5.945	12.917	-11.384	1.00	47.81	C	ATOM 9075 O GLU C 230	-15.932	20.410	-23.337	1.00	82.96	C
	ATOM 8991 CE2 TRP C 221	-5.764	12.370	-10.091	1.00	47.81	C	ATOM 9076 N GLU C 231	-15.776	18.981	-21.607	1.00	88.07	C
35	ATOM 8992 CE3 TRP C 221	-7.169	13.529	-11.697	1.00	47.81	C	ATOM 9077 CA GLU C 231	-17.126	19.257	-21.118	1.00	88.07	C
	ATOM 8993 CD1 TRP C 221	-3.884	12.030	-11.258	1.00	47.81	C	ATOM 9078 CB GLU C 231	-17.438	18.390	-19.896	1.00	174.77	C
	ATOM 8994 NE1 TRP C 221	-4.501	11.836	-10.039	1.00	47.81	C	ATOM 9079 CG GLU C 231	-17.265	16.899	-20.122	1.00	151.01	C
	ATOM 8995 CZ2 TRP C 221	-6.759	12.417	-9.113	1.00	47.81	C	ATOM 9080 CD GLU C 231	-18.277	16.330	-21.094	1.00	151.01	C
	ATOM 8996 CZ3 TRP C 221	-8.167	13.573	-10.720	1.00	47.81	C	ATOM 9081 OE1 GLU C 231	-18.380	16.854	-22.225	1.00	151.01	C

65251/C766

1	ATOM 9119 CA ASP C 236	-19.330 28.702 -24.402 1.00159.02	C	ATOM 9204 O THR C 247	-0.450 19.160 -4.604 1.00 49.03	C
	ATOM 9120 CB ASP C 236	-19.864 29.283 -25.714 1.00133.63	C	ATOM 9205 N GLY C 248	-1.479 19.198 -2.597 1.00 51.61	C
	ATOM 9121 CG ASP C 236	-18.772 29.888 -26.570 1.00133.63	C	ATOM 9206 CA GLY C 248	-0.237 19.113 -1.850 1.00 51.61	C
	ATOM 9122 OD1 ASP C 236	-18.235 30.950 -26.197 1.00133.63	C	ATOM 9207 C GLY C 248	-0.438 19.459 -0.381 1.00 51.61	C
	ATOM 9123 OD2 ASP C 236	-18.447 29.292 -27.617 1.00133.63	C	ATOM 9208 O GLY C 248	-1.573 19.596 0.091 1.00 51.61	C
	ATOM 9124 C ASP C 236	-19.029 29.833 -23.412 1.00159.02	C	ATOM 9209 N CYS C 249	0.657 19.602 0.357 1.00 57.84	C
	ATOM 9125 O ASP C 236	-18.167 30.669 -23.680 1.00159.02	C	ATOM 9210 CA CYS C 249	0.555 19.921 1.774 1.00 57.84	C
	ATOM 9126 N SER C 237	-19.721 29.868 -22.276 1.00108.13	C	ATOM 9211 CB CYS C 249	0.539 18.632 2.607 1.00 40.23	C
	ATOM 9127 CA SER C 237	-19.475 30.920 -21.285 1.00108.13	C	ATOM 9212 SG CYS C 249	2.131 17.774 2.665 1.00 59.00	C
5	ATOM 9128 CB SER C 237	-20.777 31.328 -20.589 1.00103.74	C	ATOM 9213 C CYS C 249	1.709 20.806 2.225 1.00 57.84	C
	ATOM 9129 OG SER C 237	-21.185 30.351 -19.647 1.00103.74	C	ATOM 9214 O CYS C 249	2.605 21.140 1.440 1.00 57.84	C
	ATOM 9130 C SER C 237	-18.453 30.480 -20.231 1.00108.13	C	ATOM 9215 N TYR C 250	1.695 21.166 3.503 1.00 51.74	C
	ATOM 9131 O SER C 237	-18.182 31.213 -19.279 1.00108.13	C	ATOM 9216 CA TYR C 250	2.731 22.030 4.042 1.00 51.74	C
	ATOM 9132 N THR C 238	-17.894 29.284 -20.407 1.00100.21	C	ATOM 9217 CB TYR C 250	2.391 23.470 3.724 1.00 35.90	C
	ATOM 9133 CA THR C 238	-16.902 28.743 -19.480 1.00100.21	C	ATOM 9218 CG TYR C 250	1.095 23.903 4.371 1.00 26.25	C
	ATOM 9134 CB THR C 238	-17.380 27.427 -18.840 1.00 96.52	C	ATOM 9219 CD1 TYR C 250	1.082 24.471 5.640 1.00 26.25	C
	ATOM 9135 OG1 THR C 238	-18.742 27.564 -18.424 1.00 96.52	C	ATOM 9220 CE1 TYR C 250	-0.117 24.870 6.241 1.00 26.25	C
	ATOM 9136 CG2 THR C 238	-16.516 27.085 -17.627 1.00 96.52	C	ATOM 9221 CD2 TYR C 250	-0.126 23.735 3.712 1.00 26.25	C
	ATOM 9137 C THR C 238	-15.604 28.450 -20.222 1.00100.21	C	ATOM 9222 CE2 TYR C 250	-1.327 24.127 4.302 1.00 26.25	C
	ATOM 9138 O THR C 238	-14.526 28.437 -19.629 1.00100.21	C	ATOM 9223 CZ TYR C 250	-1.312 24.696 5.564 1.00 26.25	C
10	ATOM 9139 N LYS C 239	-15.728 28.208 -21.524 1.00110.91	C	ATOM 9224 OH TYR C 250	-2.483 25.114 6.158 1.00 26.25	C
	ATOM 9140 CA LYS C 239	-14.591 27.904 -22.385 1.00110.91	C	ATOM 9225 C TYR C 250	2.896 21.928 5.542 1.00 51.74	C
	ATOM 9141 CB LYS C 239	-14.818 28.509 -23.778 1.00119.38	C	ATOM 9226 O TYR C 250	1.960 21.591 6.265 1.00 51.74	C
	ATOM 9142 CG LYS C 239	-13.727 28.184 -24.792 1.00119.38	C	ATOM 9227 N GLU C 251	4.102 22.248 5.990 1.00 69.66	C
	ATOM 9143 CD LYS C 239	-14.132 28.589 -26.201 1.00119.38	C	ATOM 9228 CA GLU C 251	4.449 22.272 7.396 1.00 69.66	C
	ATOM 9144 CE LYS C 239	-15.346 27.801 -26.667 1.00119.38	C	ATOM 9229 CB GLU C 251	5.322 21.075 7.772 1.00136.16	C
	ATOM 9145 NZ LYS C 239	-15.753 28.176 -28.046 1.00119.38	C	ATOM 9230 CG GLU C 251	4.627 20.111 8.719 1.00 89.78	C
	ATOM 9146 C LYS C 239	-13.276 28.405 -21.794 1.00110.91	C	ATOM 9231 CD GLU C 251	5.542 19.007 9.232 1.00 89.78	C
	ATOM 9147 O LYS C 239	-13.125 29.588 -21.496 1.00110.91	C	ATOM 9232 OE1 GLU C 251	6.601 19.328 9.820 1.00 89.78	C
	ATOM 9148 N THR C 240	-12.331 27.488 -21.620 1.00 76.06	C	ATOM 9233 OE2 GLU C 251	5.196 17.815 9.055 1.00 89.78	C
	ATOM 9149 CA THR C 240	-11.035 27.826 -21.052 1.00 76.06	C	ATOM 9234 C GLU C 251	5.230 23.564 7.521 1.00 69.66	C
	ATOM 9150 CB THR C 240	-10.923 27.346 -19.597 1.00113.02	C	ATOM 9235 O GLU C 251	6.458 23.567 7.478 1.00 69.66	C
15	ATOM 9151 OG1 THR C 240	-12.022 27.858 -18.838 1.00113.02	C	ATOM 9236 N THR C 252	4.495 24.666 7.629 1.00 55.04	C
	ATOM 9152 CG2 THR C 240	-9.621 27.824 -18.981 1.00113.02	C	ATOM 9237 CA THR C 252	5.070 26.004 7.755 1.00 55.04	C
	ATOM 9153 C THR C 240	-9.884 27.204 -21.822 1.00 76.06	C	ATOM 9238 CB THR C 252	4.193 27.029 7.007 1.00 65.80	C
	ATOM 9154 O THR C 240	-10.033 26.169 -22.476 1.00 76.06	C	ATOM 9239 OG1 THR C 252	3.984 26.588 5.662 1.00 65.80	C
	ATOM 9155 N THR C 241	-8.727 27.845 -21.717 1.00 78.68	C	ATOM 9240 CG2 THR C 252	4.860 28.389 6.984 1.00 65.80	C
	ATOM 9156 CA THR C 241	-7.515 27.390 -22.377 1.00 78.68	C	ATOM 9241 C THR C 252	5.125 26.383 9.239 1.00 55.04	C
	ATOM 9157 CB THR C 241	-6.410 28.447 -22.252 1.00109.14	C	ATOM 9242 O THR C 252	4.144 26.876 9.799 1.00 55.04	C
	ATOM 9158 OG1 THR C 241	-6.940 29.732 -22.599 1.00 68.84	C	ATOM 9243 N GLY C 253	6.269 26.165 9.876 1.00 58.47	C
	ATOM 9159 CG2 THR C 241	-5.226 28.097 -23.156 1.00 68.84	C	ATOM 9244 CA GLY C 253	6.356 26.466 11.292 1.00 58.47	C
	ATOM 9160 C THR C 241	-6.991 26.106 -21.737 1.00 78.68	C	ATOM 9245 C GLY C 253	5.389 25.569 12.052 1.00 58.47	C
	ATOM 9161 O THR C 241	-6.610 25.160 -22.429 1.00 78.68	C	ATOM 9246 O GLY C 253	5.393 24.350 11.869 1.00 58.47	C
20	ATOM 9162 N SER C 242	-6.978 26.089 -20.406 1.00 85.12	C	ATOM 9247 N LEU C 254	4.556 26.159 12.901 1.00 61.58	C
	ATOM 9163 CA SER C 242	-6.458 24.947 -19.569 1.00 85.12	C	ATOM 9248 CA LEU C 254	3.584 25.387 13.661 1.00 61.58	C
	ATOM 9164 CB SER C 242	-4.972 25.160 -19.396 1.00131.02	C	ATOM 9249 CB LEU C 254	3.048 26.184 14.845 1.00 36.25	C
	ATOM 9165 OG SER C 242	-4.781 26.312 -18.589 1.00103.54	C	ATOM 9250 CG LEU C 254	3.978 26.449 16.014 1.00 36.25	C
	ATOM 9166 C SER C 242	-7.154 24.664 -18.343 1.00 85.12	C	ATOM 9251 CD1 LEU C 254	3.161 27.060 17.123 1.00 36.25	C
	ATOM 9167 O SER C 242	-7.961 25.456 -17.849 1.00 85.12	C	ATOM 9252 CD2 LEU C 254	4.636 25.175 16.467 1.00 36.25	C
	ATOM 9168 N LEU C 243	-6.798 23.519 -17.770 1.00 67.36	C	ATOM 9253 C LEU C 254	2.398 24.989 12.802 1.00 61.58	C
	ATOM 9169 CA LEU C 243	-7.344 23.069 -16.503 1.00 67.36	C	ATOM 9254 O LEU C 254	1.762 23.970 13.066 1.00 61.58	C
	ATOM 9170 CB LEU C 243	-8.361 21.961 -16.758 1.00119.22	C	ATOM 9255 N LEU C 255	2.089 25.801 11.793 1.00 48.24	C
	ATOM 9171 CG LEU C 243	-9.236 21.563 -15.577 1.00 95.35	C	ATOM 9256 CA LEU C 255	0.962 25.533 10.909 1.00 48.24	C
	ATOM 9172 CD1 LEU C 243	-10.005 22.779 -15.090 1.00 95.35	C	ATOM 9257 CB LEU C 255	0.648 26.761 10.065 1.00 42.35	C
25	ATOM 9173 CD2 LEU C 243	-10.189 20.454 -16.003 1.00 95.35	C	ATOM 9258 CG LEU C 255	0.459 28.072 10.830 1.00 42.35	C
	ATOM 9174 C LEU C 243	-6.188 22.537 -15.648 1.00 67.36	C	ATOM 9259 CD1 LEU C 255	0.070 29.166 9.856 1.00 42.35	C
	ATOM 9175 O LEU C 243	-5.280 21.868 -16.157 1.00 67.36	C	ATOM 9260 CD2 LEU C 255	-0.605 27.917 11.900 1.00 42.35	C
	ATOM 9176 N SER C 244	-6.213 22.841 -14.353 1.00 62.79	C	ATOM 9261 C LEU C 255	1.211 24.343 9.987 1.00 48.24	C
	ATOM 9177 CA SER C 244	-5.158 22.384 -13.457 1.00 62.79	C	ATOM 9262 O LEU C 255	2.353 24.051 9.613 1.00 48.24	C
	ATOM 9178 CB SER C 244	-4.243 23.545 -13.073 1.00 74.79	C	ATOM 9263 N PHE C 256	0.132 23.651 9.630 1.00 49.21	C
	ATOM 9179 OG SER C 244	-3.489 23.996 -14.173 1.00 76.94	C	ATOM 9264 CA PHE C 256	0.225 22.493 8.755 1.00 49.21	C
	ATOM 9180 C SER C 244	-5.665 21.746 -12.172 1.00 62.79	C	ATOM 9265 CB PHE C 256	0.794 21.290 9.518 1.00 47.20	C
	ATOM 9181 O SER C 244	-6.659 22.190 -11.571 1.00 62.79	C	ATOM 9266 CG PHE C 256	-0.102 20.769 10.613 1.00 44.21	C
	ATOM 9182 N LEU C 245	-4.965 20.699 -11.752 1.00 60.79	C	ATOM 9267 CD1 PHE C 256	-0.944 19.693 10.387 1.00 44.21	C
	ATOM 9183 CA LEU C 245	-5.293 20.022 -10.509 1.00 60.79	C	ATOM 9268 CD2 PHE C 256	-0.095 21.350 11.884 1.00 44.21	C
30	ATOM 9184 CB LEU C 245	-5.389 18.509 -10.708 1.00 76.51	C	ATOM 9269 CE1 PHE C 256	-1.757 19.206 11.403 1.00 44.21	C
	ATOM 9185 CG LEU C 245	-5.643 17.743 -9.404 1.00 60.50	C	ATOM 9270 CE2 PHE C 256	-0.915 20.860 12.909 1.00 44.21	C
	ATOM 9186 CD1 LEU C 245	-6.916 18.257 -8.746 1.00 60.50	C	ATOM 9271 CZ PHE C 256	-1.741 19.793 12.665 1.00 44.21	C
	ATOM 9187 CD2 LEU C 245	-5.741 16.256 -9.693 1.00 60.50	C	ATOM 9272 C PHE C 256	-1.144 22.161 8.181 1.00 49.21	C
	ATOM 9188 C LEU C 245	-4.164 20.338 -9.539 1.00 60.79	C	ATOM 9273 O PHE C 256	-2.163 22.319 8.850 1.00 49.21	C
	ATOM 9189 O LEU C 245	-3.052 19.827 -9.683 1.00 60.79	C	ATOM 9274 N GLY C 257	-1.164 21.714 6.929 1.00 41.97	C
	ATOM 9190 N ILE C 246	-4.447 21.197 -8.565 1.00 54.76	C	ATOM 9275 CA GLY C 257	-2.417 21.370 6.286 1.00 41.97	C
	ATOM 9191 CA ILE C 246	-3.446 21.584 -7.577 1.00 54.76	C	ATOM 9276 C GLY C 257	-2.187 20.770 4.911 1.00 41.97	C
	ATOM 9192 CB ILE C 246	-3.477 23.112 -7.322 1.00 68.26	C	ATOM 9277 O GLY C 257	-1.037 20.590 4.483 1.00 41.97	C
	ATOM 9193 CG2 ILE C 246	-2.348 23.517 -6.381 1.00 51.30	C	ATOM 9278 N SER C 258	-3.276 20.450 4.218 1.00 32.22	C
	ATOM 9194 CG1 ILE C 246	-3.340 23.854 -8.649 1.00 51.30	C	ATOM 9279 CA SER C 258	-3.185 19.883 2.875 1.00 32.22	C
	ATOM 9195 CD1 ILE C 246	-2.090 23.475 -9.428 1.00 51.30	C	ATOM 9280 CB SER C 258	-3.357 18.377 2.921 1.00 34.80	C
35	ATOM 9196 C ILE C 246	-3.684 20.861 -6.254 1.00 54.76	C	ATOM 9281 OG SER C 258	-4.589 18.047 3.277 1.00 44.92	C
	ATOM 9197 O ILE C 246	-4.731 21.030 -5.617 1.00 54.76	C	ATOM 9282 C SER C 258	-4.293 20.494 2.029 1.00 32.22	C
	ATOM 9198 N THR C 247	-2.714 20.052 -5.846 1.00 49.03	C	ATOM 9283 O SER C 258	-5.267 21.029 2.562 1.00 32.22	C
	ATOM 9199 CA THR C 247	-2.848 19.324 -4.603 1.00 49.03	C	ATOM 9284 N TYR C 259	-4.154 20.409 0.715 1.00 48.87	C
	ATOM 9200 CB THR C 247	-3.428 17.930 -4.859 1.00 65.84	C	ATOM 9285 CA TYR C 259	-5.150 20.994 -0.175 1.00 48.87	C
	ATOM 9201 OG1 THR C 247	-3.806 17.340 -3.615 1.00 63.08	C	ATOM 9286 CB TYR C 259	-4.775 22.450 -0.499 1.00 49.67	C
	ATOM 9202 CG2 THR C 247	-2.401 17.041 -5.545 1.00 63.08	C	ATOM 9287 CG TYR C 259	-3.364 22.584 -1.018 1.00 45.42	C
	ATOM 9203 C THR C 247	-1.479 19.214 -3.928 1.00 49.03	C	ATOM 9288 CD1 TYR C 259	-3.056 22.303 -2.353 1.00 45.42	C

65251/C766

1	ATOM 9289	CE1 TYR C 259	-1.744	22.304	-2.798	1.00	45.42	C	ATOM 9374	CB ARG C 271	-11.881	23.871	-2.782	1.00	61.94	C
	ATOM 9290	CD2 TYR C 259	-2.317	22.878	-0.152	1.00	45.42	C	ATOM 9375	CG ARG C 271	-11.246	23.434	-1.500	1.00	55.06	C
	ATOM 9291	CE2 TYR C 259	-1.006	22.878	-0.592	1.00	45.42	C	ATOM 9376	CD ARG C 271	-11.324	24.547	-0.454	1.00	55.06	C
	ATOM 9292	CZ TYR C 259	-0.726	22.587	-1.909	1.00	45.42	C	ATOM 9377	NE ARG C 271	-10.471	25.688	-0.784	1.00	55.06	C
	ATOM 9293	OH TYR C 259	0.585	22.554	-2.313	1.00	45.42	C	ATOM 9378	CZ ARG C 271	-10.914	26.861	-1.234	1.00	55.06	C
5	ATOM 9294	C TYR C 259	-5.271	20.209	-1.462	1.00	48.87	C	ATOM 9379	NH1 ARG C 271	-12.210	27.064	-1.417	1.00	55.06	C
	ATOM 9295	O TYR C 259	-4.397	19.410	-1.818	1.00	48.87	C	ATOM 9380	NH2 ARG C 271	-10.060	27.842	-1.481	1.00	55.06	C
	ATOM 9296	N GLY C 260	-6.370	20.455	-2.159	1.00	45.95	C	ATOM 9381	C ARG C 271	-12.525	21.495	-3.345	1.00	63.18	C
	ATOM 9297	CA GLY C 260	-6.626	19.791	-3.419	1.00	45.95	C	ATOM 9382	O ARG C 271	-13.727	21.382	-3.086	1.00	63.18	C
	ATOM 9298	C GLY C 260	-7.749	20.542	-4.099	1.00	45.95	C	ATOM 9383	N TYR C 272	-11.663	20.492	-3.185	1.00	50.25	C
10	ATOM 9299	O GLY C 260	-8.910	20.451	-3.698	1.00	45.95	C	ATOM 9384	CA TYR C 272	-12.096	19.190	-2.680	1.00	50.25	C
	ATOM 9300	N TYR C 261	-7.406	21.316	-5.116	1.00	49.08	C	ATOM 9385	CB TYR C 272	-11.228	18.077	-3.260	1.00	68.10	C
	ATOM 9301	CA TYR C 261	-8.425	22.072	-5.821	1.00	49.08	C	ATOM 9386	CG TYR C 272	-11.677	16.697	-2.831	1.00	65.57	C
	ATOM 9302	CB TYR C 261	-8.522	23.490	-5.254	1.00	77.59	C	ATOM 9387	CD1 TYR C 272	-12.746	16.060	-3.462	1.00	65.57	C
	ATOM 9303	CG TYR C 261	-7.256	24.300	-5.379	1.00	61.38	C	ATOM 9388	CE1 TYR C 272	-13.183	14.799	-3.049	1.00	65.57	C
15	ATOM 9304	CD1 TYR C 261	-6.982	25.035	-6.526	1.00	61.38	C	ATOM 9389	CD2 TYR C 272	-11.055	16.037	-1.773	1.00	65.57	C
	ATOM 9305	CE1 TYR C 261	-5.824	25.799	-6.631	1.00	61.38	C	ATOM 9390	CE2 TYR C 272	-11.486	14.777	-1.354	1.00	65.57	C
	ATOM 9306	CD2 TYR C 261	-6.337	24.345	-4.340	1.00	61.38	C	ATOM 9391	CZ TYR C 272	-12.548	14.168	-1.999	1.00	65.57	C
	ATOM 9307	CE2 TYR C 261	-5.176	25.105	-4.431	1.00	61.38	C	ATOM 9392	OH TYR C 272	-12.971	12.926	-1.606	1.00	65.57	C
	ATOM 9308	CZ TYR C 261	-4.922	25.833	-5.575	1.00	61.38	C	ATOM 9393	C TYR C 272	-12.040	19.102	-1.155	1.00	50.25	C
20	ATOM 9309	OH TYR C 261	-3.778	26.604	-5.640	1.00	61.38	C	ATOM 9394	O TYR C 272	-10.979	19.281	-0.553	1.00	50.25	C
	ATOM 9310	C TYR C 261	-8.161	22.106	-7.321	1.00	49.08	C	ATOM 9395	N HIS C 273	-13.173	18.817	-0.524	1.00	69.22	C
	ATOM 9311	O TYR C 261	-7.061	21.782	-7.794	1.00	49.08	C	ATOM 9396	CA HIS C 273	-13.196	18.714	0.929	1.00	69.22	C
	ATOM 9312	N VAL C 262	-9.193	22.480	-8.062	1.00	60.83	C	ATOM 9397	CB HIS C 273	-14.415	19.430	1.498	1.00	114.55	C
	ATOM 9313	CA VAL C 262	-9.108	22.556	-9.506	1.00	60.83	C	ATOM 9398	CG HIS C 273	-14.282	20.919	1.490	1.00	95.28	C
25	ATOM 9314	CB VAL C 262	-10.222	21.727	-10.160	1.00	69.54	C	ATOM 9399	CD2 HIS C 273	-15.021	21.879	0.889	1.00	95.28	C
	ATOM 9315	CG1 VAL C 262	-10.291	22.024	-11.638	1.00	61.03	C	ATOM 9400	ND1 HIS C 273	-13.261	21.575	2.144	1.00	95.28	C
	ATOM 9316	CG2 VAL C 262	-9.968	20.254	-9.941	1.00	61.03	C	ATOM 9401	CE1 HIS C 273	-13.376	22.876	1.945	1.00	95.28	C
	ATOM 9317	C VAL C 262	-9.277	23.998	-9.943	1.00	60.83	C	ATOM 9402	NE2 HIS C 273	-14.436	23.087	1.186	1.00	95.28	C
	ATOM 9318	O VAL C 262	-10.278	24.635	-9.610	1.00	60.83	C	ATOM 9403	C HIS C 273	-13.159	17.281	1.416	1.00	69.22	C
30	ATOM 9319	N GLU C 263	-8.298	24.524	-10.673	1.00	85.01	C	ATOM 9404	O HIS C 273	-14.027	16.475	1.096	1.00	69.22	C
	ATOM 9320	CA GLU C 263	-8.402	25.890	-11.160	1.00	85.01	C	ATOM 9405	N THR C 274	-12.122	16.981	2.185	1.00	62.23	C
	ATOM 9321	CB GLU C 263	-7.290	26.785	-10.601	1.00	104.41	C	ATOM 9406	CA THR C 274	-11.902	15.663	2.757	1.00	62.23	C
	ATOM 9322	CG GLU C 263	-5.887	26.280	-10.817	1.00	91.01	C	ATOM 9407	CB THR C 274	-10.615	15.681	3.613	1.00	75.75	C
	ATOM 9323	CD GLU C 263	-4.842	27.234	-10.257	1.00	91.01	C	ATOM 9408	OG1 THR C 274	-9.520	15.183	2.828	1.00	68.28	C
35	ATOM 9324	OE1 GLU C 263	-5.060	27.785	-9.149	1.00	91.01	C	ATOM 9409	CG2 THR C 274	-10.786	14.866	4.889	1.00	68.28	C
	ATOM 9325	OE2 GLU C 263	-3.796	27.421	-10.920	1.00	91.01	C	ATOM 9410	C THR C 274	-13.083	15.190	3.601	1.00	62.23	C
	ATOM 9326	C GLU C 263	-8.384	25.905	-12.677	1.00	85.01	C	ATOM 9411	O THR C 274	-13.411	13.999	3.619	1.00	62.23	C
	ATOM 9327	O GLU C 263	-7.942	24.955	-13.330	1.00	85.01	C	ATOM 9412	N GLY C 275	-13.713	16.126	4.301	1.00	60.19	C
	ATOM 9328	N THR C 264	-8.886	27.003	-13.220	1.00	101.12	C	ATOM 9413	CA GLY C 275	-14.851	15.783	5.131	1.00	60.19	C

65251/C766

1	ATOM 9459 CG2 THR C 280	-17.995	24.143	-1.370	1.00	60.00	C	ATOM 9544 CA GLY C 291	-16.012	15.344	-15.700	1.00	75.93	C
	ATOM 9460 C THR C 280	-16.623	24.068	-4.029	1.00	59.07	C	ATOM 9545 C GLY C 291	-15.665	14.877	-14.298	1.00	75.93	C
	ATOM 9461 O THR C 280	-15.420	24.257	-4.216	1.00	59.07	C	ATOM 9546 O GLY C 291	-16.489	14.286	-13.601	1.00	75.93	C
	ATOM 9462 N LYS C 281	-17.566	24.899	-4.458	1.00	62.32	C	ATOM 9547 N MET C 292	-14.431	15.143	-13.884	1.00	75.26	C
	ATOM 9463 CA LYS C 281	-17.251	26.130	-5.172	1.00	62.32	C	ATOM 9548 CA MET C 292	-13.941	14.748	-12.565	1.00	75.26	C
5	ATOM 9464 CB LYS C 281	-18.530	26.952	-5.349	1.00	101.69	C	ATOM 9549 CB MET C 292	-12.444	14.975	-12.492	1.00	91.77	C
	ATOM 9465 CG LYS C 281	-19.471	26.863	-4.145	1.00	86.63	C	ATOM 9550 CG MET C 292	-12.110	16.455	-12.492	1.00	91.77	C
	ATOM 9466 CD LYS C 281	-19.942	28.232	-3.660	1.00	86.63	C	ATOM 9551 SD MET C 292	-10.434	16.803	-11.939	1.00	91.77	C
	ATOM 9467 CE LYS C 281	-20.809	28.946	-4.685	1.00	86.63	C	ATOM 9552 CE MET C 292	-9.726	17.466	-13.413	1.00	91.77	C
	ATOM 9468 NZ LYS C 281	-21.313	30.251	-4.166	1.00	86.63	C	ATOM 9553 C MET C 292	-14.583	15.548	-11.433	1.00	75.26	C
10	ATOM 9469 C LYS C 281	-16.207	26.966	-4.425	1.00	62.32	C	ATOM 9554 O MET C 292	-14.269	15.337	-10.267	1.00	75.26	C
	ATOM 9470 O LYS C 281	-16.224	27.050	-3.195	1.00	62.32	C	ATOM 9555 N LEU C 293	-15.475	16.468	-11.767	1.00	72.28	C
	ATOM 9471 N MET C 282	-15.289	27.572	-5.171	1.00	71.11	C	ATOM 9556 CA LEU C 293	-16.096	17.294	-10.744	1.00	72.28	C
	ATOM 9472 CA MET C 282	-14.269	28.427	-4.578	1.00	71.11	C	ATOM 9557 CB LEU C 293	-16.230	18.730	-11.262	1.00	79.11	C
	ATOM 9473 CB MET C 282	-12.896	28.138	-5.170	1.00	67.76	C	ATOM 9558 CG LEU C 293	-14.910	19.444	-11.555	1.00	79.11	C
15	ATOM 9474 CG MET C 282	-12.308	26.821	-4.773	1.00	67.76	C	ATOM 9559 CD1 LEU C 293	-15.166	20.802	-12.201	1.00	79.11	C
	ATOM 9475 SD MET C 282	-10.546	26.795	-5.136	1.00	67.76	C	ATOM 9560 CD2 LEU C 293	-14.149	19.599	-10.255	1.00	79.11	C
	ATOM 9476 CE MET C 282	-10.535	26.107	-6.783	1.00	67.76	C	ATOM 9561 C LEU C 293	-17.438	16.835	-10.183	1.00	72.28	C
	ATOM 9477 C MET C 282	-14.624	29.877	-4.868	1.00	71.11	C	ATOM 9562 O LEU C 293	-17.957	17.469	-9.270	1.00	72.28	C
	ATOM 9478 O MET C 282	-14.005	30.792	-4.330	1.00	71.11	C	ATOM 9563 N THR C 294	-18.012	15.756	-10.708	1.00	88.44	C
20	ATOM 9479 N THR C 283	-15.623	30.071	-5.726	1.00	92.59	C	ATOM 9564 CA THR C 294	-19.301	15.291	-10.188	1.00	88.44	C
	ATOM 9480 CA THR C 283	-16.084	31.395	-6.131	1.00	92.59	C	ATOM 9565 CB THR C 294	-20.441	15.386	-11.217	1.00	100.62	C
	ATOM 9481 CB THR C 283	-15.625	31.718	-7.571	1.00	80.53	C	ATOM 9566 OG1 THR C 294	-20.321	16.599	-11.963	1.00	100.62	C
	ATOM 9482 OG1 THR C 283	-14.196	31.779	-7.619	1.00	80.53	C	ATOM 9567 CG2 THR C 294	-21.790	15.374	-10.502	1.00	100.62	C
	ATOM 9483 CG2 THR C 283	-16.192	33.043	-8.035	1.00	80.53	C	ATOM 9568 C THR C 294	-19.261	13.847	-9.759	1.00	88.44	C
25	ATOM 9484 C THR C 283	-17.605	31.413	-6.100	1.00	92.59	C	ATOM 9569 O THR C 294	-18.496	13.043	-10.289	1.00	88.44	C
	ATOM 9485 O THR C 283	-18.236	30.359	-6.149	1.00	92.59	C	ATOM 9570 N VAL C 295	-20.110	13.520	-8.799	1.00	85.62	C
	ATOM 9486 N HIS C 284	-18.187	32.608	-6.010	1.00	86.39	C	ATOM 9571 CA VAL C 295	-20.196	12.156	-8.316	1.00	85.62	C
	ATOM 9487 CA HIS C 284	-19.644	32.764	-5.994	1.00	86.39	C	ATOM 9572 CB VAL C 295	-21.076	12.088	-7.060	1.00	100.14	C
	ATOM 9488 CB HIS C 284	-20.008	34.251	-5.914	1.00	163.30	C	ATOM 9573 CG1 VAL C 295	-21.087	10.665	-6.504	1.00	100.14	C
30	ATOM 9489 CG HIS C 284	-19.408	35.076	-7.012	1.00	163.30	C	ATOM 9574 CG2 VAL C 295	-20.563	13.087	-6.024	1.00	100.14	C
	ATOM 9490 CD2 HIS C 284	-19.983	35.767	-8.026	1.00	163.30	C	ATOM 9575 C VAL C 295	-20.812	11.302	-9.426	1.00	85.62	C
	ATOM 9491 ND1 HIS C 284	-18.047	35.236	-7.166	1.00	163.30	C	ATOM 9576 O VAL C 295	-20.655	10.080	-9.447	1.00	85.62	C
	ATOM 9492 CE1 HIS C 284	-17.809	35.987	-8.227	1.00	163.30	C	ATOM 9577 N LYS C 296	-21.504	11.969	-10.348	1.00	92.07	C
	ATOM 9493 NE2 HIS C 284	-18.967	36.322	-8.766	1.00	163.30	C	ATOM 9578 CA LYS C 296	-22.156	11.314	-11.476	1.00	92.07	C
35	ATOM 9494 C HIS C 284	-20.207	32.167	-7.287	1.00	86.39	C	ATOM 9579 CB LYS C 296	-22.863	12.353	-12.351	1.00	95.69	C
	ATOM 9495 O HIS C 284	-21.284	31.569	-7.303	1.00	86.39	C	ATOM 9580 CG LYS C 296	-23.928	13.170	-11.636	1.00	95.69	C
	ATOM 9496 N LYS C 285	-19.437	32.331	-8.360	1.00	110.69	C	ATOM 9581 CD LYS C 296	-25.183	12.360	-11.369	1.00	95.69	C
	ATOM 9497 CA LYS C 285	-19.787	31.855	-9.693	1.00	110.69	C	ATOM 9582 CE LYS C 296	-25.900	12.021	-12.666	1.00	95.69	C
	ATOM 9498 CB LYS C 285	-18.593	32.054	-10.635	1.00	105.97	C	ATOM 9583 NZ LYS C 296	-27.130	11.181	-12.495	1.00	95.69	C

65251/C766

1	ATOM 9627 CD LYS C 301	-16.956	5.497	-5.814	1.00	96.96	C	ATOM 9712 CG TYR C 312	-7.883	11.503	4.928	1.00	47.31	C
	ATOM 9628 CE LYS C 301	-18.474	5.631	-5.927	1.00	96.96	C	ATOM 9713 CD1 TYR C 312	-8.802	12.281	5.632	1.00	47.31	C
	ATOM 9629 NZ LYS C 301	-19.037	6.650	-4.991	1.00	96.96	C	ATOM 9714 CE1 TYR C 312	-9.207	11.931	6.926	1.00	47.31	C
	ATOM 9630 C LYS C 301	-12.914	6.586	-7.046	1.00	75.80	C	ATOM 9715 CD2 TYR C 312	-7.379	10.359	5.549	1.00	47.31	C
	ATOM 9631 O LYS C 301	-12.265	6.593	-5.997	1.00	75.80	C	ATOM 9716 CE2 TYR C 312	-7.775	9.998	6.842	1.00	47.31	C
	ATOM 9632 N ASP C 302	-12.342	6.692	-8.240	1.00	70.07	C	ATOM 9717 CZ TYR C 312	-8.687	10.786	7.523	1.00	47.31	C
	ATOM 9633 CA ASP C 302	-10.892	6.832	-8.354	1.00	70.07	C	ATOM 9718 OH TYR C 312	-9.070	10.443	8.801	1.00	47.31	C
	ATOM 9634 CB ASP C 302	-10.439	6.565	-9.789	1.00	95.43	C	ATOM 9719 C TYR C 312	-5.270	12.746	4.484	1.00	47.09	C
	ATOM 9635 CG ASP C 302	-10.535	5.106	-10.159	1.00	95.43	C	ATOM 9720 O TYR C 312	-5.272	13.019	5.676	1.00	47.09	C
5	ATOM 9636 OD1 ASP C 302	-10.015	4.276	-9.383	1.00	95.43	C	ATOM 9721 N MET C 313	-4.257	12.118	3.904	1.00	42.18	C
	ATOM 9637 OD2 ASP C 302	-11.119	4.789	-11.221	1.00	95.43	C	ATOM 9722 CA MET C 313	-3.113	11.727	4.697	1.00	42.18	C
	ATOM 9638 C ASP C 302	-10.448	8.228	-7.914	1.00	70.07	C	ATOM 9723 CB MET C 313	-3.483	10.525	5.554	1.00	72.15	C
	ATOM 9639 O ASP C 302	-9.380	8.391	-7.318	1.00	70.07	C	ATOM 9724 CG MET C 313	-2.370	10.061	6.459	1.00	72.00	C
	ATOM 9640 N VAL C 303	-11.270	9.233	-8.214	1.00	55.06	C	ATOM 9725 SD MET C 313	-2.807	8.576	7.352	1.00	72.00	C
	ATOM 9641 CA VAL C 303	-10.963	10.600	-7.817	1.00	55.06	C	ATOM 9726 CE MET C 313	-4.305	9.121	8.174	1.00	72.00	C
	ATOM 9642 CB VAL C 303	-12.045	11.583	-8.294	1.00	68.87	C	ATOM 9727 C MET C 313	-1.881	11.393	3.869	1.00	42.18	C
	ATOM 9643 CG1 VAL C 303	-11.784	12.962	-7.731	1.00	58.18	C	ATOM 9728 O MET C 313	-0.747	11.636	4.302	1.00	42.18	C
	ATOM 9644 CG2 VAL C 303	-12.053	11.637	-9.806	1.00	58.18	C	ATOM 9729 N GLY C 314	-2.096	10.830	2.683	1.00	47.28	C
	ATOM 9645 C VAL C 303	-10.883	10.635	-6.297	1.00	55.06	C	ATOM 9730 CA GLY C 314	-0.977	10.453	1.835	1.00	47.28	C
	ATOM 9646 O VAL C 303	-9.882	11.083	-5.743	1.00	55.06	C	ATOM 9731 C GLY C 314	0.124	11.489	1.718	1.00	47.28	C
10	ATOM 9647 N LYS C 304	-11.931	10.148	-5.631	1.00	67.86	C	ATOM 9732 O GLY C 314	1.301	11.199	1.945	1.00	47.28	C
	ATOM 9648 CA LYS C 304	-11.972	10.102	-4.167	1.00	67.86	C	ATOM 9733 N CYS C 315	-0.265	12.707	1.370	1.00	53.88	C
	ATOM 9649 CB LYS C 304	-13.170	9.292	-3.681	1.00	92.69	C	ATOM 9734 CA CYS C 315	0.694	13.777	1.207	1.00	53.88	C
	ATOM 9650 CG LYS C 304	-14.472	10.042	-3.593	1.00	74.61	C	ATOM 9735 CB CYS C 315	-0.019	15.040	0.738	1.00	72.48	C
	ATOM 9651 CD LYS C 304	-15.566	9.100	-3.117	1.00	74.61	C	ATOM 9736 SG CYS C 315	1.109	16.278	0.092	1.00	77.85	C
	ATOM 9652 CE LYS C 304	-16.891	9.824	-2.913	1.00	74.61	C	ATOM 9737 C CYS C 315	1.498	14.072	2.475	1.00	53.88	C
	ATOM 9653 NZ LYS C 304	-18.005	8.888	-2.595	1.00	74.61	C	ATOM 9738 O CYS C 315	2.734	14.085	2.444	1.00	53.88	C
	ATOM 9654 C LYS C 304	-10.716	9.456	-3.602	1.00	67.86	C	ATOM 9739 N SER C 316	0.805	14.304	3.587	1.00	53.13	C
	ATOM 9655 O LYS C 304	-10.116	9.958	-2.652	1.00	67.86	C	ATOM 9740 CA SER C 316	1.483	14.604	4.847	1.00	53.13	C
	ATOM 9656 N ALA C 305	-10.329	8.333	-4.194	1.00	65.11	C	ATOM 9741 CB SER C 316	0.469	14.754	5.971	1.00	46.10	C
	ATOM 9657 CA ALA C 305	-9.155	7.594	-3.748	1.00	65.11	C	ATOM 9742 OG SER C 316	-0.116	13.500	6.272	1.00	51.60	C
	ATOM 9658 CB ALA C 305	-9.174	6.191	-4.358	1.00	37.36	C	ATOM 9743 C SER C 316	2.506	13.535	5.242	1.00	53.13	C
15	ATOM 9659 C ALA C 305	-7.812	8.275	-4.034	1.00	65.11	C	ATOM 9744 O SER C 316	3.458	13.821	5.966	1.00	53.13	C
	ATOM 9660 O ALA C 305	-6.983	8.410	-3.141	1.00	65.11	C	ATOM 9745 N LEU C 317	2.303	12.301	4.791	1.00	52.52	C
	ATOM 9661 N TYR C 306	-7.592	8.702	-5.271	1.00	51.00	C	ATOM 9746 CA LEU C 317	3.246	11.233	5.094	1.00	52.52	C
	ATOM 9662 CA TYR C 306	-6.328	9.344	-5.629	1.00	51.00	C	ATOM 9747 CB LEU C 317	2.562	9.869	4.987	1.00	60.26	C
	ATOM 9663 CB TYR C 306	-6.177	9.401	-7.144	1.00	83.58	C	ATOM 9748 CG LEU C 317	1.558	9.534	6.092	1.00	52.77	C
	ATOM 9664 CG TYR C 306	-6.017	8.046	-7.779	1.00	78.27	C	ATOM 9749 CD1 LEU C 317	0.845	8.231	5.776	1.00	52.77	C
	ATOM 9665 CD1 TYR C 306	-6.468	7.807	-9.074	1.00	78.27	C	ATOM 9750 CD2 LEU C 317	2.290	9.434	7.416	1.00	52.77	C
	ATOM 9666 CE1 TYR C 306	-6.328	6.558	-9.661	1.00	78.27	C	ATOM 9751 C LEU C 317	4.408	11.297	4.115	1.00	52.52	C
	ATOM 9667 CD2 TYR C 306	-5.416	7.000	-7.087	1.00	78.27	C	ATOM 9752 O LEU C 317	5.573	11.172	4.497	1.00	52.52	C
	ATOM 9668 CE2 TYR C 306	-5.271	5.755	-7.665	1.00	78.27	C	ATOM 9753 N ALA C 318	4.080	11.503	2.846	1.00	60.76	C
	ATOM 9669 CZ TYR C 306	-5.728	5.538	-8.950	1.00	78.27	C	ATOM 9754 CA ALA C 318	5.084	11.572	1.804	1.00	60.76	C
20	ATOM 9670 OH TYR C 306	-5.578	4.301	-9.527	1.00	78.27	C	ATOM 9755 CB ALA C 318	4.405	11.706	0.462	1.00	42.38	C
	ATOM 9671 C TYR C 306	-6.162	10.738	-5.070	1.00	51.00	C	ATOM 9756 C ALA C 318	6.067	12.717	2.002	1.00	60.76	C
	ATOM 9672 O TYR C 306	-5.127	11.041	-4.491	1.00	51.00	C	ATOM 9757 O ALA C 318	7.282	12.527	1.893	1.00	60.76	C
	ATOM 9673 N LEU C 307	-7.173	11.585	-5.256	1.00	48.75	C	ATOM 9758 N ILE C 319	5.544	13.905	2.297	1.00	52.41	C
	ATOM 9674 CA LEU C 307	-7.118	12.958	-4.767	1.00	48.75	C	ATOM 9759 CA ILE C 319	6.400	15.072	2.465	1.00	52.41	C
	ATOM 9675 CB LEU C 307	-8.055	13.853	-5.580	1.00	71.28	C	ATOM 9760 CB ILE C 319	5.610	16.285	2.992	1.00	69.59	C
	ATOM 9676 CG LEU C 307	-8.211	15.291	-5.070	1.00	39.41	C	ATOM 9761 CG2 ILE C 319	5.252	16.078	4.439	1.00	44.15	C
	ATOM 9677 CD1 LEU C 307	-6.864	16.014	-5.066	1.00	39.41	C	ATOM 9762 CG1 ILE C 319	6.459	17.548	2.854	1.00	44.15	C
	ATOM 9678 CD2 LEU C 307	-9.216	16.022	-5.945	1.00	39.41	C	ATOM 9763 CD1 ILE C 319	5.736	18.838	3.205	1.00	44.15	C
	ATOM 9679 C LEU C 307	-7.477	13.050	-3.288	1.00	48.75	C	ATOM 9764 C ILE C 319	7.577	14.798	3.390	1.00	52.41	C
	ATOM 9680 O LEU C 307	-6.723	13.617	-2.491	1.00	48.75	C	ATOM 9765 O ILE C 319	8.641	15.388	3.230	1.00	52.41	C
25	ATOM 9681 N GLY C 308	-8.627	12.493	-2.926	1.00	65.44	C	ATOM 9766 N LEU C 320	7.398	13.897	4.350	1.00	62.98	C
	ATOM 9682 CA GLY C 308	-9.052	12.522	-1.539	1.00	65.44	C	ATOM 9767 CA LEU C 320	8.475	13.573	5.278	1.00	62.98	C
	ATOM 9683 C GLY C 308	-8.048	11.857	-0.611	1.00	65.44	C	ATOM 9768 CB LEU C 320	7.922	12.823	6.490	1.00	75.20	C
	ATOM 9684 O GLY C 308	-7.702	12.401	0.433	1.00	65.44	C	ATOM 9769 CG LEU C 320	6.975	13.641	7.373	1.00	53.04	C
	ATOM 9685 N GLY C 309	-7.574	10.678	-0.989	1.00	57.47	C	ATOM 9770 CD1 LEU C 320	6.545	12.804	8.557	1.00	53.04	C
	ATOM 9686 CA GLY C 309	-6.622	9.972	-0.153	1.00	57.47	C	ATOM 9771 CD2 LEU C 320	7.664	14.919	7.846	1.00	53.04	C
	ATOM 9687 C GLY C 309	-5.341	10.742	0.095	1.00	57.47	C	ATOM 9772 C LEU C 320	9.599	12.768	4.615	1.00	62.98	C
	ATOM 9688 O GLY C 309	-4.877	10.867	1.236	1.00	57.47	C	ATOM 9773 O LEU C 320	10.765	12.885	5.000	1.00	62.98	C
	ATOM 9689 N PHE C 310	-4.763	11.257	-0.984	1.00	53.55	C	ATOM 9774 N ASP C 321	9.256	11.955	3.620	1.00	71.04	C
	ATOM 9690 CA PHE C 310	-3.523	12.012	-0.906	1.00	53.55	C	ATOM 9775 CA ASP C 321	10.264	11.167	2.913	1.00	71.04	C
	ATOM 9691 CB PHE C 310	-3.140	12.494	-2.306	1.00	47.57	C	ATOM 9776 CB ASP C 321	9.610	10.084	2.049	1.00	112.33	C
30	ATOM 9692 CG PHE C 310	-1.755	13.070	-2.398	1.00	43.40	C	ATOM 9777 CG ASP C 321	8.998	8.964	2.875	1.00	91.33	C
	ATOM 9693 CD1 PHE C 310	-0.648	12.286	-2.122	1.00	43.40	C	ATOM 9778 OD1 ASP C 321	9.659	8.506	3.831	1.00	91.33	C
	ATOM 9694 CD2 PHE C 310	-1.562	14.399	-2.784	1.00	43.40	C	ATOM 9779 OD2 ASP C 321	7.866	8.533	2.560	1.00	91.33	C
	ATOM 9695 CE1 PHE C 310	0.633	12.810	-2.230	1.00	43.40	C	ATOM 9780 C ASP C 321	11.096	12.093	2.037	1.00	71.04	C
	ATOM 9696 CE2 PHE C 310	-0.287	14.933	-2.895	1.00	43.40	C	ATOM 9781 O ASP C 321	12.307	11.915	1.921	1.00	71.04	C
	ATOM 9697 CZ PHE C 310	0.815	14.135	-2.617	1.00	43.40	C	ATOM 9782 N TYR C 322	10.446	13.079	1.421	1.00	69.39	C
	ATOM 9698 C PHE C 310	-3.710	13.202	0.028	1.00	53.55	C	ATOM 9783 CA TYR C 322	11.155	14.038	0.579	1.00	69.39	C
	ATOM 9699 O PHE C 310	-2.870	13.477	0.889	1.00	53.55	C	ATOM 9784 CB TYR C 322	10.199	15.066	-0.029	1.00	68.89	C
	ATOM 9700 N GLU C 311	-4.828	13.896	-0.151	1.00	44.24	C	ATOM 9785 CG TYR C 322	9.352	14.563	-1.174	1.00	59.60	C
	ATOM 9701 CA GLU C 311	-5.144	15.069	0.642	1.00	44.24	C	ATOM 9786 CD1 TYR C 322	8.301	13.680	-0.953	1.00	59.60	C
	ATOM 9702 CB GLU C 311	-6.325	15.817	0.032	1.00	85.30	C	ATOM 9787 CE1 TYR C 322	7.489	13.249	-2.005	1.00	59.60	C
	ATOM 9703 CG GLU C 311	-6.373	17.268	0.438	1.00	69.53	C	ATOM 9788 CD2 TYR C 322	9.580	15.002	-2.479	1.00	59.60	C
35	ATOM 9704 CD GLU C 311	-7.626	17.977	-0.030	1.00	69.53	C	ATOM 9789 CE2 TYR C 322	8.775	14.577	-3.534	1		

65251/C766

1	ATOM 9797 CG GLN C 323	12.642	17.050	5.775	1.00	63.05	C	ATOM 9882 OG1 THR C 334	19.342	30.762	4.918	1.00	84.12	C
	ATOM 9798 CD GLN C 323	11.851	17.461	6.995	1.00	63.05	C	ATOM 9883 CG2 THR C 334	18.306	32.814	5.667	1.00	84.12	C
	ATOM 9799 OE1 GLN C 323	11.186	16.640	7.620	1.00	63.05	C	ATOM 9884 C THR C 334	16.645	31.392	7.441	1.00	75.34	C
	ATOM 9800 NE2 GLN C 323	11.924	18.738	7.346	1.00	63.05	C	ATOM 9885 O THR C 334	15.543	31.591	6.930	1.00	72.70	C
	ATOM 9801 C GLN C 323	13.827	15.201	3.821	1.00	59.76	C	ATOM 9886 N THR C 335	16.992	31.849	8.638	1.00	52.32	C
	ATOM 9802 O GLN C 323	14.920	15.762	3.791	1.00	59.76	C	ATOM 9887 CA THR C 335	16.076	32.632	9.458	1.00	52.11	C
	ATOM 9803 N LYS C 324	13.685	13.913	4.121	1.00	63.12	C	ATOM 9888 CB THR C 335	16.523	32.648	10.898	1.00	59.42	C
	ATOM 9804 CA LYS C 324	14.840	13.073	4.429	1.00	63.12	C	ATOM 9889 OG1 THR C 335	16.858	31.315	11.302	1.00	48.78	C
	ATOM 9805 CB LYS C 324	14.413	11.631	4.702	1.00	100.10	C	ATOM 9890 CG2 THR C 335	15.406	33.168	11.769	1.00	48.78	C
5	ATOM 9806 CG LYS C 324	13.835	11.383	6.066	1.00	89.53	C	ATOM 9891 C THR C 335	15.934	34.072	8.992	1.00	52.97	C
	ATOM 9807 CD LYS C 324	13.711	9.887	6.314	1.00	89.53	C	ATOM 9892 O THR C 335	16.918	34.768	8.771	1.00	54.32	C
	ATOM 9808 CE LYS C 324	13.166	9.595	7.711	1.00	89.53	C	ATOM 9893 N PRO C 336	14.695	34.548	8.871	1.00	49.92	C
	ATOM 9809 NZ LYS C 324	13.169	8.139	8.045	1.00	89.53	C	ATOM 9894 CD PRO C 336	13.422	33.860	9.149	1.00	45.64	C
	ATOM 9810 C LYS C 324	15.859	13.049	3.295	1.00	63.12	C	ATOM 9895 CA PRO C 336	14.446	35.909	8.418	1.00	49.50	C
	ATOM 9811 O LYS C 324	17.050	13.270	3.502	1.00	63.12	C	ATOM 9896 CB PRO C 336	13.019	35.820	7.907	1.00	54.50	C
	ATOM 9812 N MET C 325	15.388	12.767	2.091	1.00	75.86	C	ATOM 9897 CG PRO C 336	12.397	34.974	8.971	1.00	45.64	C
	ATOM 9813 CA MET C 325	16.281	12.693	0.948	1.00	75.86	C	ATOM 9898 C PRO C 336	14.585	36.968	9.493	1.00	49.54	C
	ATOM 9814 CB MET C 325	15.587	11.967	-0.201	1.00	91.27	C	ATOM 9899 O PRO C 336	14.781	36.662	10.666	1.00	50.17	C
	ATOM 9815 CG MET C 325	15.281	10.527	0.113	1.00	79.83	C	ATOM 9900 N THR C 337	14.467	38.215	9.048	1.00	65.01	C
	ATOM 9816 SD MET C 325	14.464	9.691	-1.238	1.00	79.83	C	ATOM 9901 CA THR C 337	14.527	39.400	9.886	1.00	68.47	C
10	ATOM 9817 CE MET C 325	12.784	9.830	-0.746	1.00	79.83	C	ATOM 9902 CB THR C 337	15.537	40.405	9.333	1.00	114.14	C
	ATOM 9818 C MET C 325	16.783	14.043	0.470	1.00	75.86	C	ATOM 9903 OG1 THR C 337	16.860	39.915	9.564	1.00	65.03	C
	ATOM 9819 O MET C 325	17.732	14.117	-0.308	1.00	75.86	C	ATOM 9904 CG2 THR C 337	15.365	41.755	9.989	1.00	65.03	C
	ATOM 9820 N ALA C 326	16.156	15.113	0.932	1.00	58.65	C	ATOM 9905 C THR C 337	13.137	39.987	9.761	1.00	76.04	C
	ATOM 9821 CA ALA C 326	16.573	16.436	0.506	1.00	58.65	C	ATOM 9906 O THR C 337	12.628	40.134	8.654	1.00	67.42	C
	ATOM 9822 CB ALA C 326	15.350	17.348	0.362	1.00	60.09	C	ATOM 9907 N VAL C 338	12.513	40.310	10.882	1.00	47.45	C
	ATOM 9823 C ALA C 326	17.580	17.050	1.470	1.00	58.65	C	ATOM 9908 CA VAL C 338	11.170	40.874	10.824	1.00	54.31	C
	ATOM 9824 O ALA C 326	18.402	17.866	1.067	1.00	58.65	C	ATOM 9909 CB VAL C 338	10.147	39.969	11.542	1.00	42.27	C
	ATOM 9825 N LYS C 327	17.529	16.630	2.729	1.00	129.75	C	ATOM 9910 CG1 VAL C 338	8.731	40.444	11.249	1.00	41.89	C
	ATOM 9826 CA LYS C 327	18.398	17.169	3.768	1.00	129.75	C	ATOM 9911 CG2 VAL C 338	10.330	38.535	11.094	1.00	41.89	C
	ATOM 9827 CB LYS C 327	18.803	16.086	4.763	1.00	157.86	C	ATOM 9912 C VAL C 338	11.098	42.264	11.430	1.00	58.78	C
	ATOM 9828 CG LYS C 327	19.442	16.675	6.012	1.00	76.15	C	ATOM 9913 O VAL C 338	11.814	42.576	12.379	1.00	58.61	C
15	ATOM 9829 CD LYS C 327	19.723	15.618	7.062	1.00	76.15	C	ATOM 9914 N LYS C 339	10.225	43.090	10.859	1.00	59.26	C
	ATOM 9830 CE LYS C 327	20.225	16.247	8.360	1.00	76.15	C	ATOM 9915 CA LYS C 339	10.012	44.459	11.307	1.00	57.14	C
	ATOM 9831 NZ LYS C 327	20.527	15.223	9.410	1.00	76.15	C	ATOM 9916 CB LYS C 339	11.005	45.400	10.617	1.00	161.77	C
	ATOM 9832 C LYS C 327	19.651	17.890	3.297	1.00	129.75	C	ATOM 9917 CG LYS C 339	12.454	45.136	10.992	1.00	130.08	C
	ATOM 9833 O LYS C 327	19.771	19.103	3.469	1.00	129.75	C	ATOM 9918 CD LYS C 339	13.414	45.447	9.849	1.00	130.08	C
	ATOM 9834 N GLY C 328	20.582	17.162	2.695	1.00	73.50	C	ATOM 9919 CE LYS C 339	14.837	45.019	10.200	1.00	130.08	C
	ATOM 9835 CA GLY C 328	21.804	17.816	2.261	1.00	73.50	C	ATOM 9920 NZ LYS C 339	15.760	45.103	9.035	1.00	130.08	C
	ATOM 9836 C GLY C 328	21.846	18.449	0.881	1.00	73.50	C	ATOM 9921 C LYS C 339	8.596	44.806	10.901	1.00	66.13	C
	ATOM 9837 O GLY C 328	22.632	19.362	0.656	1.00	73.50	C	ATOM 9922 O LYS C 339	8.185	44.529	9.778	1.00	58.79	C
	ATOM 9838 N LYS C 329	21.001	17.999	-0.039	1.00	68.45	C	ATOM 9923 N VAL C 340	7.836	45.380	11.819	1.00	65.63	C
20	ATOM 9839 CA LYS C 329	21.039	18.530	-1.392	1.00	68.45	C	ATOM 9924 CA VAL C 340	6.464	45.775	11.517	1.00	63.06	C
	ATOM 9840 CB LYS C 329	20.729	17.403	-2.375	1.00	198.57	C	ATOM 9925 CB VAL C 340	5.492	45.310	12.604	1.00	69.41	C
	ATOM 9841 CG LYS C 329	21.775	16.304	-2.373	1.00	198.57	C	ATOM 9926 CG1 VAL C 340	4.092	45.783	12.275	1.00	54.87	C
	ATOM 9842 CD LYS C 329	21.671	15.474	-3.634	1.00	198.57	C	ATOM 9927 CG2 VAL C 340	5.545	43.801	12.732	1.00	54.87	C
	ATOM 9843 CE LYS C 329	22.751	14.410	-3.715	1.00	88.33	C	ATOM 9928 C VAL C 340	6.419	47.295	11.470	1.00	65.63	C
	ATOM 9844 NZ LYS C 329	22.634	13.643	-4.995	1.00	88.33	C	ATOM 9929 O VAL C 340	6.799	47.938	12.431	1.00	62.48	C
	ATOM 9845 C LYS C 329	20.248	19.783	-1.801	1.00	68.45	C	ATOM 9930 N THR C 341	5.955	47.875	10.369	1.00	91.39	C
	ATOM 9846 O LYS C 329	20.073	20.019	-2.997	1.00	68.45	C	ATOM 9931 CA THR C 341	5.897	49.328	10.269	1.00	87.29	C
	ATOM 9847 N ILE C 330	19.777	20.593	-0.853	1.00	69.95	C	ATOM 9932 CB THR C 341	6.600	49.820	9.003	1.00	98.94	C
	ATOM 9848 CA ILE C 330	19.045	21.811	-1.224	1.00	69.95	C	ATOM 9933 OG1 THR C 341	7.970	49.408	9.038	1.00	80.30	C
	ATOM 9849 CB ILE C 330	17.499	21.622	-1.158	1.00	63.51	C	ATOM 9934 CG2 THR C 341	6.530	51.338	8.909	1.00	80.30	C
	ATOM 9850 CG2 ILE C 330	17.074	20.439	-2.020	1.00	64.43	C	ATOM 9935 C THR C 341	4.472	49.856	10.270	1.00	89.44	C
25	ATOM 9851 CG1 ILE C 330	17.042	21.440	0.291	1.00	64.43	C	ATOM 9936 O THR C 341	3.560	49.225	9.734	1.00	91.04	C
	ATOM 9852 CD1 ILE C 330	15.551	21.623	0.474	1.00	64.43	C	ATOM 9937 N GLY C 342	4.289	51.023	10.875	1.00	95.13	C
	ATOM 9853 C ILE C 330	19.437	22.975	-0.315	1.00	69.95	C	ATOM 9938 CA GLY C 342	2.971	51.615	10.935	1.00	99.30	C
	ATOM 9854 O ILE C 330	20.120	22.775	0.692	1.00	69.95	C	ATOM 9939 C GLY C 342	2.836	52.836	10.051	1.00	98.27	C
	ATOM 9855 N PRO C 331	19.011	24.207	-0.656	1.00	63.43	C	ATOM 9940 O GLY C 342	2.638	53.940	10.548	1.00	92.54	C
	ATOM 9856 CD PRO C 331	18.158	24.594	-1.792	1.00	63.75	C	ATOM 9941 N ASN C 343	2.950	52.646	8.741	1.00	100.57	C
	ATOM 9857 CA PRO C 331	19.341	25.382	0.156	1.00	63.43	C	ATOM 9942 CA ASN C 343	2.810	53.752	7.796	1.00	106.98	C
	ATOM 9858 CB PRO C 331	18.394	26.444	-0.380	1.00	200.84	C	ATOM 9943 CB ASN C 343	3.170	53.294	6.382	1.00	174.08	C
	ATOM 9859 CG PRO C 331	18.314	26.101	-1.802	1.00	63.75	C	ATOM 9944 CG ASN C 343	4.523	52.627	6.312	1.00	153.88	C
	ATOM 9860 C PRO C 331	19.128	25.127	1.635	1.00	63.43	C	ATOM 9945 OD1 ASN C 343	5.549	53.244	6.605	1.00	153.88	C
	ATOM 9861 O PRO C 331	18.123	24.533	2.025	1.00	63.43	C	ATOM 9946 ND2 ASN C 343	4.536	51.357	5.924	1.00	153.88	C
30	ATOM 9862 N LYS C 332	20.077	25.565	2.454	1.00	52.99	C	ATOM 9947 C ASN C 343	1.355	54.204	7.810	1.00	105.04	C
	ATOM 9863 CA LYS C 332	19.972	25.390	3.896	1.00	53.61	C	ATOM 9948 O ASN C 343	0.596	53.857	8.712	1.00	93.67	C
	ATOM 9864 CB LYS C 332	21.312	25.693	4.555	1.00	122.66	C	ATOM 9949 N GLU C 344	0.967	54.976	6.806	1.00	160.05	C
	ATOM 9865 CG LYS C 332	21.772	27.113	4.314	1.00	94.20	C	ATOM 9950 CA GLU C 344	-0.408	55.434	6.708	1.00	160.05	C
	ATOM 9866 CD LYS C 332	22.808	27.537	5.329	1.00	94.20	C	ATOM 9951 CB GLU C 344	-0.673	56.509	7.761	1.00	200.84	C
	ATOM 9867 CE LYS C 332	23.094	29.024	5.221	1.00	94.20	C	ATOM 9952 CG GLU C 344	-1.166	55.957	9.097	1.00	190.23	C
	ATOM 9868 NZ LYS C 332	24.014	29.486	6.300	1.00	94.20	C	ATOM 9953 CD GLU C 344	-1.279	56.994	10.205	1.00	190.23	C
	ATOM 9869 C LYS C 332	18.905	26.343	4.458	1.00	52.68	C	ATOM 9954 OE1 GLU C 344	-0.239	57.393	10.758	1.00	190.23	C
	ATOM 9870 O LYS C 332	18.573	27.359	3.840	1.00	50.77	C	ATOM 9955 OE2 GLU C 344	-2.411	57.407	10.535	1.00	190.23	C
	ATOM 9871 N ASP C 333	18.368	26.009	5.627	1.00	60.44	C	ATOM 9956 C GLU C 344	-0.729	55.921	5.294	1.00	160.05	C
	ATOM 9872 CA ASP C 333	17.361	26.846	6.264	1.00	59.90	C	ATOM 9957 O GLU C 344	-0.264	56.966	4.850	1.00	160.05	C
35	ATOM 9873 CB ASP C 333	16.857	26.186	7.544	1.00	136.89	C	ATOM 9958 N LEU C 345	-1.553	55.136	4.602	1.00	200.84	

65251/C766

1	ATOM 9967	CA	GLU C 346	-3.551	58.890	3.536	1.00154.12	C	ATOM 10052	ND2 ASN C 357	13.663	42.831	6.275	1.00 72.77	C
	ATOM 9968	CB	GLU C 346	-3.228	59.488	2.174	1.00167.08	C	ATOM 10053	C ASN C 357	14.407	38.264	5.036	1.00 51.55	C
	ATOM 9969	CG	GLU C 346	-1.742	59.423	1.874	1.00152.51	C	ATOM 10054	O ASN C 357	14.893	37.720	6.032	1.00 54.43	C
	ATOM 9970	CD	GLU C 346	-1.311	60.390	0.802	1.00152.51	C	ATOM 10055	N SER C 358	14.618	37.876	3.785	1.00 48.88	C
	ATOM 9971	OE1	GLU C 346	-1.386	61.611	1.048	1.00152.51	C	ATOM 10056	CA SER C 358	15.418	36.725	3.392	1.00 56.18	C
5	ATOM 9972	OE2	GLU C 346	-0.898	59.931	-0.283	1.00152.51	C	ATOM 10057	CB SER C 358	16.863	37.163	3.117	1.00 69.78	C
	ATOM 9973	C	GLU C 346	-5.075	58.878	3.750	1.00154.12	C	ATOM 10058	OG SER C 358	17.497	37.597	4.296	1.00 68.12	C
	ATOM 9974	O	GLU C 346	-5.567	59.405	4.751	1.00154.12	C	ATOM 10059	C SER C 358	15.390	35.505	4.325	1.00 60.90	C
	ATOM 9975	N	ASP C 347	-5.827	58.304	2.817	1.00176.33	C	ATOM 10060	O SER C 358	16.210	35.369	5.237	1.00 56.45	C
	ATOM 9976	CA	ASP C 347	-7.284	58.278	2.952	1.00176.33	C	ATOM 10061	N PHE C 359	14.433	34.618	4.055	1.00 55.44	C
10	ATOM 9977	CB	ASP C 347	-7.933	57.686	1.693	1.00169.88	C	ATOM 10062	CA PHE C 359	14.225	33.373	4.795	1.00 49.75	C
	ATOM 9978	CG	ASP C 347	-7.960	56.169	1.702	1.00169.88	C	ATOM 10063	CB PHE C 359	12.829	33.390	5.422	1.00 50.82	C
	ATOM 9979	OD1	ASP C 347	-6.876	55.552	1.726	1.00169.88	C	ATOM 10064	CG PHE C 359	11.736	33.843	4.483	1.00 45.42	C
	ATOM 9980	OD2	ASP C 347	-9.071	55.595	1.685	1.00169.88	C	ATOM 10065	CD1 PHE C 359	11.150	32.956	3.577	1.00 45.42	C
	ATOM 9981	C	ASP C 347	-7.763	57.511	4.189	1.00176.33	C	ATOM 10066	CD2 PHE C 359	11.276	35.161	4.518	1.00 45.42	C
15	ATOM 9982	O	ASP C 347	-8.735	57.907	4.835	1.00176.33	C	ATOM 10067	CE1 PHE C 359	10.120	33.372	2.718	1.00 45.42	C
	ATOM 9983	N	GLY C 348	-7.083	56.416	4.516	1.00156.15	C	ATOM 10068	CE2 PHE C 359	10.245	35.590	3.665	1.00 45.42	C
	ATOM 9984	CA	GLY C 348	-7.463	55.625	5.677	1.00153.46	C	ATOM 10069	CZ PHE C 359	9.667	34.690	2.764	1.00 45.42	C
	ATOM 9985	C	GLY C 348	-6.629	55.973	6.894	1.00150.42	C	ATOM 10070	C PHE C 359	14.335	32.253	3.765	1.00 56.34	C
	ATOM 9986	O	GLY C 348	-5.509	56.370	6.767	1.00145.43	C	ATOM 10071	O PHE C 359	13.946	32.474	2.619	1.00 53.89	C
20	ATOM 9987	N	ASN C 349	-7.170	55.831	8.091	1.00200.84	C	ATOM 10072	N TYR C 360	14.850	31.067	4.108	1.00127.62	C
	ATOM 9988	CA	ASN C 349	-6.402	56.167	9.285	1.00200.84	C	ATOM 10073	CA TYR C 360	14.918	30.086	3.032	1.00127.40	C
	ATOM 9989	CB	ASN C 349	-7.200	55.785	10.534	1.00183.75	C	ATOM 10074	CB TYR C 360	16.015	29.026	3.157	1.00186.99	C
	ATOM 9990	CG	ASN C 349	-8.020	54.525	10.339	1.00168.93	C	ATOM 10075	CG TYR C 360	15.769	27.984	2.058	1.00 74.13	C
	ATOM 9991	OD1	ASN C 349	-8.910	54.470	9.488	1.00168.93	C	ATOM 10076	CD1 TYR C 360	15.489	28.391	0.742	1.00 74.13	C
25	ATOM 9992	ND2	ASN C 349	-7.726	53.506	11.131	1.00168.93	C	ATOM 10077	CE1 TYR C 360	15.077	27.482	-0.238	1.00 74.13	C
	ATOM 9993	C	ASN C 349	-4.989	55.565	9.342	1.00200.84	C	ATOM 10078	CD2 TYR C 360	15.646	26.625	2.353	1.00 74.13	C
	ATOM 9994	O	ASN C 349	-4.021	56.236	8.989	1.00200.84	C	ATOM 10079	CE2 TYR C 360	15.240	25.700	1.368	1.00 74.13	C
	ATOM 9995	N	MET C 350	-4.865	54.310	9.766	1.00116.77	C	ATOM 10080	CZ TYR C 360	14.953	26.137	0.080	1.00 74.13	C
	ATOM 9996	CA	MET C 350	-3.549	53.680	9.877	1.00112.86	C	ATOM 10081	OH TYR C 360	14.540	25.237	-0.883	1.00 74.13	C
30	ATOM 9997	CB	MET C 350	-3.260	53.380	11.354	1.00187.20	C	ATOM 10082	C TYR C 360	13.671	29.330	2.659	1.00128.49	C
	ATOM 9998	CG	MET C 350	-1.925	52.708	11.621	1.00141.88	C	ATOM 10083	O TYR C 360	13.022	29.691	1.686	1.00134.42	C
	ATOM 9999	SD	MET C 350	-1.602	52.511	13.380	1.00141.88	C	ATOM 10084	N PRO C 361	13.334	28.254	3.390	1.00 57.94	C
	ATOM 10000	CE	MET C 350	-0.435	53.857	13.651	1.00141.88	C	ATOM 10085	CD PRO C 361	13.630	27.927	4.798	1.00 38.70	C
	ATOM 10001	C	MET C 350	-3.360	52.406	9.045	1.00110.00	C	ATOM 10086	CA PRO C 361	12.108	27.596	2.907	1.00 53.53	C
35	ATOM 10002	O	MET C 350	-4.325	51.733	8.687	1.00106.43	C	ATOM 10087	CB PRO C 361	11.729	26.650	4.051	1.00 37.94	C
	ATOM 10003	N	THR C 351	-2.102	52.090	8.741	1.00 98.32	C	ATOM 10088	CG PRO C 361	12.323	27.319	5.269	1.00 38.70	C
	ATOM 10004	CA	THR C 351	-1.758	50.895	7.971	1.00 96.28	C	ATOM 10089	C PRO C 361	11.127	28.726	2.607	1.00 60.93	C
	ATOM 10005	CB	THR C 351	-1.421	51.246	6.496	1.00 93.91	C	ATOM 10090	O PRO C 361	10.698	29.455	3.495	1.00 58.10	C
	ATOM 10006	OG1	THR C 351	-1.818	50.166	5.653	1.00 61.03	C	ATOM 10091	N PRO C 362	10.821	28.921	1.315	1.00 63.79	C

65251/C766

1	ATOM 10137 N TRP C 368	-2.439	38.159	11.744	1.00	48.65	C	ATOM 10222 OE1 GLU C 377	5.254	33.823	28.419	1.00	104.19	C
	ATOM 10138 CA TRP C 368	-2.577	39.437	12.434	1.00	48.71	C	ATOM 10223 OE2 GLU C 377	3.135	34.148	28.922	1.00	104.19	C
	ATOM 10139 CB TRP C 368	-3.063	40.534	11.486	1.00	84.38	C	ATOM 10224 C GLU C 377	2.891	37.787	25.613	1.00	111.16	C
	ATOM 10140 CG TRP C 368	-2.027	40.941	10.495	1.00	64.30	C	ATOM 10225 O GLU C 377	1.934	37.198	25.103	1.00	111.16	C
	ATOM 10141 CD2 TRP C 368	-0.996	41.916	10.688	1.00	64.30	C	ATOM 10226 N TYR C 378	3.905	38.278	24.901	1.00	63.91	C
5	ATOM 10142 CE2 TRP C 368	-0.197	41.916	9.523	1.00	64.30	C	ATOM 10227 CA TYR C 378	3.935	38.162	23.444	1.00	63.91	C
	ATOM 10143 CE3 TRP C 368	-0.669	42.788	11.731	1.00	64.30	C	ATOM 10228 CB TYR C 378	4.569	39.409	22.834	1.00	78.86	C
	ATOM 10144 CD1 TRP C 368	-1.822	40.407	9.254	1.00	64.30	C	ATOM 10229 CG TYR C 378	3.684	40.617	23.002	1.00	78.86	C
	ATOM 10145 NE1 TRP C 368	-0.724	40.986	8.663	1.00	64.30	C	ATOM 10230 CD1 TYR C 378	3.848	41.486	24.080	1.00	78.86	C
	ATOM 10146 CZ2 TRP C 368	0.911	42.757	9.374	1.00	64.30	C	ATOM 10231 CE1 TYR C 378	2.972	42.557	24.287	1.00	78.86	C
10	ATOM 10147 CZ3 TRP C 368	0.431	43.621	11.581	1.00	64.30	C	ATOM 10232 CD2 TYR C 378	2.625	40.850	22.127	1.00	78.86	C
	ATOM 10148 CH2 TRP C 368	1.207	43.598	10.410	1.00	64.30	C	ATOM 10233 CE2 TYR C 378	1.745	41.914	22.325	1.00	78.86	C
	ATOM 10149 C TRP C 368	-3.572	39.263	13.551	1.00	50.66	C	ATOM 10234 CZ TYR C 378	1.924	42.762	23.408	1.00	78.86	C
	ATOM 10150 O TRP C 368	-4.741	38.986	13.299	1.00	50.85	C	ATOM 10235 OH TYR C 378	1.044	43.799	23.615	1.00	78.86	C
	ATOM 10151 N ILE C 369	-3.106	39.437	14.784	1.00	66.16	C	ATOM 10236 C TYR C 378	4.585	36.906	22.868	1.00	63.91	C
15	ATOM 10152 CA ILE C 369	-3.951	39.265	15.955	1.00	67.53	C	ATOM 10237 O TYR C 378	5.622	36.968	22.188	1.00	63.91	C
	ATOM 10153 CB ILE C 369	-3.482	38.045	16.755	1.00	61.03	C	ATOM 10238 N LYS C 379	3.944	35.771	23.156	1.00	62.49	C
	ATOM 10154 CG2 ILE C 369	-4.398	37.815	17.939	1.00	38.71	C	ATOM 10239 CA LYS C 379	4.361	34.456	22.678	1.00	62.49	C
	ATOM 10155 CG1 ILE C 369	-3.416	36.827	15.833	1.00	38.71	C	ATOM 10240 CB LYS C 379	4.957	33.616	23.808	1.00	74.16	C
	ATOM 10156 CD1 ILE C 369	-2.812	35.617	16.475	1.00	38.71	C	ATOM 10241 CG LYS C 379	6.272	34.141	24.365	1.00	74.16	C
20	ATOM 10157 C ILE C 369	-3.910	40.487	16.859	1.00	69.35	C	ATOM 10242 CD LYS C 379	6.754	33.251	25.504	1.00	74.16	C
	ATOM 10158 O ILE C 369	-2.840	41.037	17.109	1.00	66.15	C	ATOM 10243 CE LYS C 379	7.985	33.815	26.215	1.00	74.16	C
	ATOM 10159 N GLU C 370	-5.073	40.917	17.344	1.00	67.72	C	ATOM 10244 NZ LYS C 379	8.325	33.024	27.438	1.00	74.16	C
	ATOM 10160 CA GLU C 370	-5.132	42.067	18.238	1.00	70.37	C	ATOM 10245 C LYS C 379	3.088	33.799	22.165	1.00	62.49	C
	ATOM 10161 CB GLU C 370	-6.581	42.375	18.593	1.00	115.11	C	ATOM 10246 O LYS C 379	2.021	33.928	22.768	1.00	62.49	C
25	ATOM 10162 CG GLU C 370	-7.301	43.073	17.457	1.00	93.75	C	ATOM 10247 N TYR C 380	3.191	33.123	21.033	1.00	43.47	C
	ATOM 10163 CD GLU C 370	-8.794	43.158	17.661	1.00	93.75	C	ATOM 10248 CA TYR C 380	2.037	32.453	20.449	1.00	43.47	C
	ATOM 10164 OE1 GLU C 370	-9.219	43.564	18.763	1.00	93.75	C	ATOM 10249 CB TYR C 380	2.198	32.393	18.934	1.00	54.94	C
	ATOM 10165 OE2 GLU C 370	-9.542	42.826	16.715	1.00	93.75	C	ATOM 10250 CG TYR C 380	1.024	31.795	18.213	1.00	54.94	C
	ATOM 10166 C GLU C 370	-4.309	41.745	19.478	1.00	70.55	C	ATOM 10251 CD1 TYR C 380	-0.058	32.584	17.845	1.00	54.94	C
30	ATOM 10167 O GLU C 370	-4.440	40.667	20.052	1.00	69.40	C	ATOM 10252 CE1 TYR C 380	-1.140	32.040	17.166	1.00	54.94	C
	ATOM 10168 N SER C 371	-3.445	42.674	19.878	1.00	69.33	C	ATOM 10253 CD2 TYR C 380	0.997	30.436	17.889	1.00	54.94	C
	ATOM 10169 CA SER C 371	-2.556	42.477	21.026	1.00	69.87	C	ATOM 10254 CE2 TYR C 380	-0.084	29.881	17.216	1.00	54.94	C
	ATOM 10170 CB SER C 371	-1.660	43.701	21.212	1.00	86.18	C	ATOM 10255 CZ TYR C 380	-1.147	30.687	16.855	1.00	54.94	C
	ATOM 10171 OG SER C 371	-2.436	44.856	21.466	1.00	75.26	C	ATOM 10256 OH TYR C 380	-2.214	30.142	16.177	1.00	54.94	C
35	ATOM 10172 C SER C 371	-3.221	42.146	22.356	1.00	69.14	C	ATOM 10257 C TYR C 380	2.030	31.049	21.025	1.00	43.47	C
	ATOM 10173 O SER C 371	-2.584	41.566	23.234	1.00	70.08	C	ATOM 10258 O TYR C 380	2.932	30.260	20.735	1.00	43.47	C
	ATOM 10174 N GLU C 372	-4.485	42.520	22.518	1.00	71.12	C	ATOM 10259 N VAL C 381	1.029	30.742	21.845	1.00	49.05	C
	ATOM 10175 CA GLU C 372	-5.193	42.229	23.760	1.00	69.67	C	ATOM 10260 CA VAL C 381	0.935	29.417	22.471	1.00	49.05	C
	ATOM 10176 CB GLU C 372	-6.652	42.684	23.659	1.00	126.54	C	ATOM 10261 CB VAL C 381	0.114	29.477	23.779	1.00	53.25	C

65251/C766

1	ATOM 10307 CD2 TYR C 386	-3.986	34.166	20.405	1.00	44.13	C	ATOM 10392 O TYR C 395	-7.971	32.008	0.352	1.00	53.78	C
	ATOM 10308 CE2 TYR C 386	-2.953	33.930	21.308	1.00	44.13	C	ATOM 10393 N GLU C 396	-7.409	29.825	0.412	1.00	66.90	C
	ATOM 10309 CZ TYR C 386	-2.237	32.744	21.237	1.00	44.13	C	ATOM 10394 CA GLU C 396	-7.210	29.778	1.860	1.00	66.90	C
	ATOM 10310 OH TYR C 386	-1.179	32.509	22.094	1.00	44.13	C	ATOM 10395 CB GLU C 396	-7.828	28.512	2.451	1.00	94.83	C
5	ATOM 10311 C TYR C 386	-7.707	33.720	17.677	1.00	51.34	C	ATOM 10396 CG GLU C 396	-9.250	28.229	2.006	1.00	94.83	C
	ATOM 10312 O TYR C 386	-7.675	33.181	16.575	1.00	51.34	C	ATOM 10397 CD GLU C 396	-9.712	26.838	2.418	1.00	94.83	C
	ATOM 10313 N PRO C 387	-8.507	34.766	17.931	1.00	64.40	C	ATOM 10398 OE1 GLU C 396	-9.000	25.861	2.092	1.00	94.83	C
	ATOM 10314 CD PRO C 387	-8.883	35.338	19.234	1.00	82.91	C	ATOM 10399 OE2 GLU C 396	-10.781	26.720	3.062	1.00	94.83	C
10	ATOM 10315 CA PRO C 387	-9.338	35.317	16.851	1.00	64.40	C	ATOM 10400 C GLU C 396	-5.702	29.730	2.068	1.00	66.90	C
	ATOM 10316 CB PRO C 387	-10.142	36.393	17.562	1.00	82.91	C	ATOM 10401 O GLU C 396	-5.002	29.038	1.327	1.00	66.90	C
	ATOM 10317 CG PRO C 387	-10.271	35.841	18.957	1.00	82.91	C	ATOM 10402 N PRO C 397	-5.176	30.467	3.064	1.00	55.43	C
	ATOM 10318 C PRO C 387	-8.269	35.906	15.921	1.00	64.40	C	ATOM 10403 CD PRO C 397	-5.845	31.251	4.115	1.00	63.83	C
15	ATOM 10319 O PRO C 387	-7.257	36.397	16.423	1.00	64.40	C	ATOM 10404 CA PRO C 397	-3.723	30.431	3.286	1.00	55.43	C
	ATOM 10320 N GLU C 388	-8.445	35.897	14.601	1.00	79.00	C	ATOM 10405 CB PRO C 397	-3.548	31.213	4.586	1.00	63.83	C
	ATOM 10321 CA GLU C 388	-7.329	36.394	13.814	1.00	79.00	C	ATOM 10406 CG PRO C 397	-4.889	31.096	5.262	1.00	63.83	C
	ATOM 10322 CB GLU C 388	-6.483	35.208	13.361	1.00	108.73	C	ATOM 10407 C PRO C 397	-3.234	28.995	3.383	1.00	55.43	C
20	ATOM 10323 CG GLU C 388	-7.147	34.332	12.324	1.00	108.73	C	ATOM 10408 O PRO C 397	-3.823	28.171	4.080	1.00	55.43	C
	ATOM 10324 CD GLU C 388	-6.176	33.346	11.705	1.00	108.73	C	ATOM 10409 N GLY C 398	-2.158	28.699	2.672	1.00	47.53	C
	ATOM 10325 OE1 GLU C 388	-5.161	33.798	11.138	1.00	108.73	C	ATOM 10410 CA GLY C 398	-1.649	27.343	2.654	1.00	47.53	C
	ATOM 10326 OE2 GLU C 388	-6.423	32.124	11.784	1.00	108.73	C	ATOM 10411 C GLY C 398	-1.703	26.852	1.217	1.00	47.53	C
25	ATOM 10327 C GLU C 388	-7.400	37.361	12.646	1.00	79.00	C	ATOM 10412 O GLY C 398	-0.763	26.182	0.757	1.00	47.53	C
	ATOM 10328 O GLU C 388	-6.450	37.396	11.861	1.00	79.00	C	ATOM 10413 N GLU C 399	-2.794	27.181	0.509	1.00	48.60	C
	ATOM 10329 N TRP C 389	-8.456	38.149	12.492	1.00	63.56	C	ATOM 10414 CA GLU C 399	-2.953	26.784	-0.900	1.00	48.60	C
	ATOM 10330 CA TRP C 389	-8.455	39.102	11.369	1.00	63.56	C	ATOM 10415 CB GLU C 399	-4.389	27.026	-1.383	1.00	67.07	C
30	ATOM 10331 CB TRP C 389	-7.391	40.186	11.593	1.00	116.25	C	ATOM 10416 CG GLU C 399	-5.446	26.365	-0.523	1.00	67.07	C
	ATOM 10332 CG TRP C 389	-7.875	41.473	12.179	1.00	116.25	C	ATOM 10417 CD GLU C 399	-6.863	26.574	-1.033	1.00	67.07	C
	ATOM 10333 CD2 TRP C 389	-9.238	41.869	12.410	1.00	116.25	C	ATOM 10418 OE1 GLU C 399	-7.188	27.710	-1.431	1.00	67.07	C
	ATOM 10334 CE2 TRP C 389	-9.205	43.174	12.950	1.00	116.25	C	ATOM 10419 OE2 GLU C 399	-7.664	25.612	-1.017	1.00	67.07	C
35	ATOM 10335 CE3 TRP C 389	-10.485	41.250	12.211	1.00	116.25	C	ATOM 10420 C GLU C 399	-1.981	27.649	-1.709	1.00	48.60	C
	ATOM 10336 CD1 TRP C 389	-7.099	42.524	12.579	1.00	116.25	C	ATOM 10421 O GLU C 399	-1.869	28.846	-1.460	1.00	48.60	C
	ATOM 10337 NE1 TRP C 389	-7.888	43.548	13.042	1.00	116.25	C	ATOM 10422 N PRO C 400	-1.254	27.061	-2.673	1.00	75.85	C
	ATOM 10338 CZ2 TRP C 389	-10.371	43.873	13.296	1.00	116.25	C	ATOM 10423 CD PRO C 400	-1.163	25.666	-3.123	1.00	47.83	C
40	ATOM 10339 CZ3 TRP C 389	-11.644	41.946	12.554	1.00	116.25	C	ATOM 10424 CA PRO C 400	-0.330	27.907	-3.423	1.00	70.93	C
	ATOM 10340 CH2 TRP C 389	-11.576	43.244	13.090	1.00	116.25	C	ATOM 10425 CB PRO C 400	0.307	26.940	-4.420	1.00	96.44	C
	ATOM 10341 C TRP C 389	-8.143	38.424	10.036	1.00	63.56	C	ATOM 10426 CG PRO C 400	-0.667	25.835	-4.520	1.00	47.83	C
	ATOM 10342 O TRP C 389	-7.056	38.618	9.479	1.00	63.56	C	ATOM 10427 C PRO C 400	-0.979	29.114	-4.081	1.00	61.68	C
45	ATOM 10343 N GLY C 390	-9.085	37.642	9.520	1.00	75.39	C	ATOM 10428 O PRO C 400	-0.300	30.084	-4.417	1.00	61.89	C
	ATOM 10344 CA GLY C 390	-8.845	36.961	8.262	1.00	75.39	C	ATOM 10429 N GLY C 401	-2.294	29.078	-4.243	1.00	50.15	C
	ATOM 10345 C GLY C 390	-8.639	37.879	7.067	1.00	75.39	C	ATOM 10430 CA GLY C 401	-2.974	30.211	-4.855	1.00	49.71	C
	ATOM 10346 O GLY C 390	-9.092	39.021	7.067	1.00	75.39	C	ATOM 10431 C GLY C 401	-3.151	31.437	-3.962	1.00	49.50	C
50	ATOM 10347 N ARG C 391	-7.936	37.377	6.053	1.00	89.36	C	ATOM 10432 O GLY C 401	-3.590	32.487	-4.429	1.00	50.21	C
	ATOM 10348 CA ARG C 391	-7.694	38.126	4.824	1.00	89.36	C	ATOM 10433 N PHE C 402	-2.821	31.326	-2.678	1.00	59.61	C
	ATOM 10349 CB ARG C 391	-6.335	37.738	4.233	1.00	104.79	C	ATOM 10434 CA PHE C 402	-2.978	32.466	-1.788	1.00	59.61	C
	ATOM 10350 CG ARG C 391	-5.152	37.981	5.171	1.00	104.79	C	ATOM 10435 CB PHE C 402	-2.811	32.047	-0.337	1.00	156.44	C
55	ATOM 10351 CD ARG C 391	-4.449	39.326	4.921	1.00	104.79	C	ATOM 10436 CG PHE C 402	-3.425	33.009	0.624	1.00	54.77	C
	ATOM 10352 NE ARG C 391	-3.356	39.227	3.947	1.00	104.79	C	ATOM 10437 CD1 PHE C 402	-4.804	33.036	0.805	1.00	54.77	C
	ATOM 10353 CZ ARG C 391	-3.513	39.149	2.624	1.00	104.79	C	ATOM 10438 CD2 PHE C 402	-2.635	33.923	1.314	1.00	54.77	C
	ATOM 10354 NH1 ARG C 391	-4.728	39.163	2.090	1.00	104.79	C	ATOM 10439 CE1 PHE C 402	-5.395	33.961	1.658	1.00	54.77	C
60	ATOM 10355 NH2 ARG C 391	-2.448	39.046	1.833	1.00	104.79	C	ATOM 10440 CE2 PHE C 402	-3.209	34.852	2.167	1.00	54.77	C
	ATOM 10356 C ARG C 391	-8.825	37.742	3.860	1.00	89.36	C	ATOM 10441 CZ PHE C 402	-4.596	34.873	2.340	1.00	54.77	C
	ATOM 10357 O ARG C 391	-9.551	36.779	4.110	1.00	89.36	C	ATOM 10442 C PHE C 402	-1.956	33.550	-2.128	1.00	59.61	C
	ATOM 10358 N LYS C 392	-8.987	38.488	2.771	1.00	73.58	C	ATOM 10443 O PHE C 402	-0.762	33.267	-2.257	1.00	59.61	C
65	ATOM 10359 CA LYS C 392	-10.046	38.188	1.806	1.00	73.58	C	ATOM 10444 N PRO C 403	-2.418	34.809	-2.273	1.00	93.77	C
	ATOM 10360 CB LYS C 392	-10.892	39.434	1.532	1.00	94.02	C	ATOM 10445 CD PRO C 403	-3.828	35.200	-2.141	1.00	49.25	C
	ATOM 10361 CG LYS C 392	-12.021	39.191	0.551	1.00	94.02	C	ATOM 10446 CA PRO C 403	-1.602	35.983	-2.602	1.00	93.77	C
	ATOM 10362 CD LYS C 392	-12.685	40.483	0.124	1.00	94.02	C	ATOM 10447 CB PRO C 403	-2.637	37.074	-2.884	1.00	154.08	C
70	ATOM 10363 CE LYS C 392	-13.687	40.237	-0.998	1.00	94.02	C	ATOM 10448 CG PRO C 403	-3.905	36.344	-3.097	1.00	49.25	C
	ATOM 10364 NZ LYS C 392	-14.209	41.513	-1.571	1.00	94.02	C	ATOM 10449 C PRO C 403	-0.667	36.425	-1.488	1.00	93.77	C
	ATOM 10365 C LYS C 392	-9.472	37.661	0.493	1.00	73.58	C	ATOM 10450 O PRO C 403	-1.099	37.070	-0.530	1.00	93.77	C
	ATOM 10366 O LYS C 392	-8.763	38.374	-0.213	1.00	73.58	C	ATOM 10451 N TRP C 404	0.607	36.076	-1.606	1.00	73.97	C
75	ATOM 10367 N SER C 393	-9.781	36.406	0.177	1.00	65.87	C	ATOM 10452 CA TRP C 404	1.597	36.490	-0.619	1.00	73.97	C
	ATOM 10368 CA SER C 393	-9.297	35.774	-1.045	1.00	65.87	C	ATOM 10453 CB TRP C 404	2.314	35.290	0.016	1.00	63.24	C
	ATOM 10369 CB SER C 393	-7.815	35.394	-0.899	1.00	73.44	C	ATOM 10454 CG TRP C 404	1.516	34.526	1.040	1.00	56.48	C
	ATOM 10370 OG SER C 393	-7.342	34.706	-2.052	1.00	73.44	C	ATOM 10455 CD2 TRP C 404	0.985	35.022	2.284	1.00	56.48	C
80	ATOM 10371 C SER C 393	-10.114	34.523	-1.330	1.00	65.87	C	ATOM 10456 CE2 TRP C 404	0.343	33.943	2.921	1.00	56.48	C
	ATOM 10372 O SER C 393	-10.742	33.977	-0.429	1.00	65.87	C	ATOM 10457 CE3 TRP C 404	0.992	36.271	2.918	1.00	56.48	C
	ATOM 10373 N ASN C 394	-10.114	34.073	-2.580	1.00	65.79	C	ATOM 10458 CD1 TRP C 404	1.179	33.211	0.984	1.00	56.48	C
	ATOM 10374 CA ASN C 394	-10.848	32.866	-2.928	1.00	65.79	C	ATOM 10459 NE1 TRP C 404	0.477	32.851	2.106	1.00	56.48	C
85														

65251/C766

1	ATOM 10477	CG1 ILE C 406	5.988	35.486	-0.295	1.00	60.96	C	ATOM 10562	N LEU C 417	9.350	38.768	2.034	1.00	46.65	C
	ATOM 10478	CD1 ILE C 406	5.911	34.043	0.179	1.00	60.96	C	ATOM 10563	CA LEU C 417	7.914	38.985	2.027	1.00	45.55	C
	ATOM 10479	C ILE C 406	7.750	37.339	-3.133	1.00	60.40	C	ATOM 10564	CB LEU C 417	7.236	37.845	2.793	1.00	100.23	C
	ATOM 10480	O ILE C 406	7.184	37.215	-4.217	1.00	55.50	C	ATOM 10565	CG LEU C 417	5.890	38.189	3.435	1.00	58.34	C
	ATOM 10481	N LYS C 407	9.041	37.624	-3.016	1.00	74.12	C	ATOM 10566	CD1 LEU C 417	4.792	38.190	2.386	1.00	58.34	C
5	ATOM 10482	CA LYS C 407	9.906	37.762	-4.179	1.00	69.72	C	ATOM 10567	CD2 LEU C 417	5.582	37.200	4.506	1.00	58.34	C
	ATOM 10483	CB LYS C 407	10.156	39.234	-4.521	1.00	122.47	C	ATOM 10568	C LEU C 417	7.496	40.313	2.644	1.00	57.06	C
	ATOM 10484	CG LYS C 407	8.921	40.017	-4.920	1.00	108.57	C	ATOM 10569	O LEU C 417	8.167	40.842	3.521	1.00	52.16	C
	ATOM 10485	CD LYS C 407	9.301	41.392	-5.448	1.00	108.57	C	ATOM 10570	N THR C 418	6.363	40.832	2.191	1.00	58.77	C
	ATOM 10486	CE LYS C 407	8.077	42.259	-5.707	1.00	108.57	C	ATOM 10571	CA THR C 418	5.826	42.079	2.712	1.00	51.83	C
10	ATOM 10487	NZ LYS C 407	7.344	42.585	-4.449	1.00	108.57	C	ATOM 10572	CB THR C 418	6.117	43.268	1.767	1.00	84.49	C
	ATOM 10488	C LYS C 407	11.213	37.114	-3.785	1.00	79.03	C	ATOM 10573	OG1 THR C 418	7.505	43.600	1.826	1.00	52.90	C
	ATOM 10489	O LYS C 407	11.637	37.235	-2.635	1.00	77.97	C	ATOM 10574	CG2 THR C 418	5.308	44.486	2.169	1.00	52.90	C
	ATOM 10490	N LYS C 408	11.844	36.405	-4.714	1.00	65.63	C	ATOM 10575	C THR C 418	4.322	41.930	2.824	1.00	67.02	C
	ATOM 10491	CA LYS C 408	13.117	35.784	-4.392	1.00	65.22	C	ATOM 10576	O THR C 418	3.640	41.768	1.816	1.00	60.49	C
15	ATOM 10492	CB LYS C 408	13.486	34.741	-5.438	1.00	73.93	C	ATOM 10577	N ASP C 419	3.799	41.985	4.041	1.00	44.56	C
	ATOM 10493	CG LYS C 408	14.725	33.960	-5.076	1.00	72.73	C	ATOM 10578	CA ASP C 419	2.364	41.852	4.224	1.00	49.67	C
	ATOM 10494	CD LYS C 408	14.902	32.783	-5.995	1.00	72.73	C	ATOM 10579	CB ASP C 419	2.050	40.651	5.120	1.00	124.28	C
	ATOM 10495	CE LYS C 408	16.095	31.944	-5.578	1.00	72.73	C	ATOM 10580	CG ASP C 419	0.589	40.251	5.059	1.00	101.87	C
	ATOM 10496	NZ LYS C 408	16.184	30.696	-6.394	1.00	72.73	C	ATOM 10581	OD1 ASP C 419	0.061	40.125	3.935	1.00	101.87	C
20	ATOM 10497	C LYS C 408	14.105	36.934	-4.412	1.00	65.35	C	ATOM 10582	OD2 ASP C 419	-0.032	40.058	6.125	1.00	101.87	C
	ATOM 10498	O LYS C 408	14.403	37.462	-5.469	1.00	63.92	C	ATOM 10583	C ASP C 419	1.783	43.125	4.820	1.00	53.76	C
	ATOM 10499	N ASP C 409	14.602	37.347	-3.254	1.00	101.26	C	ATOM 10584	O ASP C 419	2.221	43.580	5.872	1.00	48.65	C
	ATOM 10500	CA ASP C 409	15.514	38.479	-3.253	1.00	101.44	C	ATOM 10585	N LEU C 420	0.787	43.692	4.145	1.00	74.57	C
	ATOM 10501	CB ASP C 409	15.805	38.956	-1.814	1.00	74.41	C	ATOM 10586	CA LEU C 420	0.153	44.930	4.590	1.00	79.26	C
25	ATOM 10502	CG ASP C 409	16.125	37.827	-0.864	1.00	67.23	C	ATOM 10587	CB LEU C 420	0.031	45.881	3.401	1.00	130.74	C
	ATOM 10503	OD1 ASP C 409	16.943	36.961	-1.227	1.00	67.23	C	ATOM 10588	CG LEU C 420	-0.140	47.366	3.702	1.00	89.69	C
	ATOM 10504	OD2 ASP C 409	15.569	37.823	0.251	1.00	67.23	C	ATOM 10589	CD1 LEU C 420	1.117	47.883	4.391	1.00	89.69	C
	ATOM 10505	C ASP C 409	16.808	38.241	-4.033	1.00	101.35	C	ATOM 10590	CD2 LEU C 420	-0.394	48.129	2.403	1.00	89.69	C
	ATOM 10506	O ASP C 409	17.151	37.102	-4.358	1.00	105.08	C	ATOM 10591	C LEU C 420	-1.228	44.684	5.204	1.00	81.83	C
30	ATOM 10507	N LYS C 410	17.484	39.350	-4.351	1.00	105.37	C	ATOM 10592	O LEU C 420	-1.878	43.691	4.888	1.00	81.15	C
	ATOM 10508	CA LYS C 410	18.742	39.393	-5.103	1.00	111.81	C	ATOM 10593	N VAL C 421	-1.671	45.585	6.080	1.00	65.55	C
	ATOM 10509	CB LYS C 410	19.609	40.545	-4.590	1.00	175.34	C	ATOM 10594	CA VAL C 421	-2.979	45.460	6.728	1.00	64.06	C
	ATOM 10510	CG LYS C 410	20.148	40.353	-3.168	1.00	114.79	C	ATOM 10595	CB VAL C 421	-2.858	44.742	8.087	1.00	109.24	C
	ATOM 10511	CD LYS C 410	19.065	40.492	-2.094	1.00	114.79	C	ATOM 10596	CG1 VAL C 421	-4.186	44.768	8.830	1.00	64.67	C
35	ATOM 10512	CE LYS C 410	19.635	40.258	-0.694	1.00	114.79	C	ATOM 10597	CG2 VAL C 421	-2.444	43.325	7.857	1.00	64.67	C
	ATOM 10513	NZ LYS C 410	18.601	40.384	0.370	1.00	114.79	C	ATOM 10598	C VAL C 421	-3.657	46.808	6.950	1.00	66.32	C
	ATOM 10514	C LYS C 410	19.562	38.111	-5.073	1.00	110.63	C	ATOM 10599	O VAL C 421	-3.030	47.764	7.393	1.00	61.92	C
	ATOM 10515	O LYS C 410	19.470	37.329	-4.133	1.00	110.16	C	ATOM 10600	N ARG C 422	-4.945	46.871	6.649	1.00	83.02	C
	ATOM 10516	N ASP C 411	20.382	37.924	-6.103	1.00	67.92	C	ATOM 10601	CA ARG C 422	-5.724	48.095	6.812	1.00	85.15	C

65251/C766

1	ATOM 10646 C MET C 427	-10.704 47.423 17.320 1.00166.25	C	ATOM 10731 O ASP C 438	11.405 26.481 11.804 1.00 58.48	C
	ATOM 10647 O MET C 427	-11.519 48.320 17.530 1.00166.25	C	ATOM 10732 N THR C 439	12.104 28.173 10.520 1.00 77.01	C
	ATOM 10648 N SER C 428	-9.786 47.054 18.208 1.00125.19	C	ATOM 10733 CA THR C 439	13.015 28.682 11.537 1.00 74.36	C
	ATOM 10649 CA SER C 428	-9.692 47.694 19.512 1.00126.84	C	ATOM 10734 CB THR C 439	14.077 29.600 10.899 1.00 64.56	C
	ATOM 10650 CB SER C 428	-10.922 47.343 20.350 1.00119.10	C	ATOM 10735 OG1 THR C 439	13.445 30.738 10.299 1.00 50.37	C
	ATOM 10651 OG SER C 428	-10.991 45.947 20.581 1.00115.81	C	ATOM 10736 CG2 THR C 439	14.825 28.847 9.804 1.00 50.37	C
	ATOM 10652 C SER C 428	-8.433 47.294 20.280 1.00122.79	C	ATOM 10737 C THR C 439	12.027 29.473 12.393 1.00 80.13	C
	ATOM 10653 O SER C 428	-8.448 47.252 21.509 1.00122.67	C	ATOM 10738 O THR C 439	11.072 30.020 11.859 1.00 80.47	C
	ATOM 10654 N SER C 429	-7.348 47.002 19.568 1.00137.25	C	ATOM 10739 N LEU C 440	12.222 29.533 13.702 1.00 70.88	C
5	ATOM 10655 CA SER C 429	-6.100 46.611 20.223 1.00135.92	C	ATOM 10740 CA LEU C 440	11.267 30.231 14.583 1.00 72.90	C
	ATOM 10656 CB SER C 429	-6.165 45.148 20.679 1.00117.80	C	ATOM 10741 CB LEU C 440	11.334 31.778 14.420 1.00 68.94	C
	ATOM 10657 OG SER C 429	-7.156 44.949 21.667 1.00117.80	C	ATOM 10742 CG LEU C 440	11.069 32.776 13.254 1.00 48.94	C
	ATOM 10658 C SER C 429	-4.880 46.776 19.330 1.00134.30	C	ATOM 10743 CD1 LEU C 440	12.135 32.637 12.210 1.00 48.94	C
	ATOM 10659 O SER C 429	-3.751 46.650 19.793 1.00123.00	C	ATOM 10744 CD2 LEU C 440	9.691 32.622 12.635 1.00 48.94	C
	ATOM 10660 N GLN C 430	-5.105 47.064 18.056 1.00 69.91	C	ATOM 10745 C LEU C 440	9.821 29.747 14.379 1.00 82.85	C
	ATOM 10661 CA GLN C 430	-4.012 47.201 17.096 1.00 69.91	C	ATOM 10746 O LEU C 440	9.016 30.437 13.763 1.00 81.07	C
	ATOM 10662 CB GLN C 430	-2.987 48.231 17.553 1.00178.23	C	ATOM 10747 N GLU C 441	9.498 28.561 14.905 1.00 58.36	C
	ATOM 10663 CG GLN C 430	-1.887 48.424 16.534 1.00107.22	C	ATOM 10748 CA GLU C 441	8.156 27.964 14.779 1.00 58.36	C
	ATOM 10664 CD GLN C 430	-0.832 49.402 16.986 1.00107.22	C	ATOM 10749 CB GLU C 441	7.886 27.021 15.949 1.00187.94	C
	ATOM 10665 OE1 GLN C 430	-0.064 49.125 17.906 1.00107.22	C	ATOM 10750 CG GLU C 441	8.797 25.809 15.975 1.00111.30	C
10	ATOM 10666 NE2 GLN C 430	-0.789 50.561 16.342 1.00107.22	C	ATOM 10751 CD GLU C 441	8.400 24.805 17.043 1.00111.30	C
	ATOM 10667 C GLN C 430	-3.336 45.841 16.951 1.00 69.91	C	ATOM 10752 OE1 GLU C 441	8.354 25.189 18.234 1.00111.30	C
	ATOM 10668 O GLN C 430	-2.661 45.362 17.861 1.00 69.91	C	ATOM 10753 OE2 GLU C 441	8.132 23.630 16.692 1.00111.30	C
	ATOM 10669 N PRO C 431	-3.491 45.210 15.784 1.00 75.11	C	ATOM 10754 C GLU C 441	7.015 28.975 14.665 1.00 58.36	C
	ATOM 10670 CD PRO C 431	-3.948 45.770 14.502 1.00 58.79	C	ATOM 10755 O GLU C 441	6.115 28.819 13.839 1.00 58.36	C
	ATOM 10671 CA PRO C 431	-2.886 43.901 15.579 1.00 75.10	C	ATOM 10756 N ALA C 442	7.050 30.011 15.493 1.00 72.33	C
	ATOM 10672 CB PRO C 431	-3.300 43.558 14.154 1.00157.75	C	ATOM 10757 CA ALA C 442	6.029 31.050 15.437 1.00 70.55	C
	ATOM 10673 CG PRO C 431	-3.260 44.876 13.492 1.00128.31	C	ATOM 10758 CB ALA C 442	4.673 30.477 15.810 1.00 23.09	C
	ATOM 10674 C PRO C 431	-1.387 43.872 15.765 1.00 71.72	C	ATOM 10759 C ALA C 442	6.397 32.192 16.371 1.00 66.54	C
	ATOM 10675 O PRO C 431	-0.706 44.897 15.701 1.00 71.60	C	ATOM 10760 O ALA C 442	6.315 32.044 17.588 1.00 63.95	C
	ATOM 10676 N VAL C 432	-0.897 42.670 16.020 1.00 62.25	C	ATOM 10761 N GLN C 443	6.816 33.322 15.799 1.00 50.40	C
	ATOM 10677 CA VAL C 432	0.512 42.409 16.181 1.00 64.63	C	ATOM 10762 CA GLN C 443	7.193 34.499 16.585 1.00 53.68	C
15	ATOM 10678 CB VAL C 432	0.797 41.829 17.564 1.00 86.55	C	ATOM 10763 CB GLN C 443	8.610 34.952 16.244 1.00 99.89	C
	ATOM 10679 CG1 VAL C 432	0.053 40.537 17.755 1.00 58.63	C	ATOM 10764 CG GLN C 443	9.669 34.301 17.091 1.00 83.12	C
	ATOM 10680 CG2 VAL C 432	2.251 41.607 17.719 1.00 58.63	C	ATOM 10765 CD GLN C 443	10.956 35.090 17.090 1.00 83.12	C
	ATOM 10681 C VAL C 432	0.761 41.372 15.087 1.00 62.63	C	ATOM 10766 OE1 GLN C 443	10.952 35.300 17.332 1.00 83.12	C
	ATOM 10682 O VAL C 432	-0.147 40.622 14.723 1.00 52.99	C	ATOM 10767 NE2 GLN C 443	12.073 34.412 16.823 1.00 83.12	C
	ATOM 10683 N CYS C 433	1.964 41.327 14.536 1.00 66.85	C	ATOM 10768 C GLN C 443	6.241 35.677 16.421 1.00 55.85	C
	ATOM 10684 CA CYS C 433	2.226 40.376 13.470 1.00 62.73	C	ATOM 10769 O GLN C 443	5.629 35.860 15.374 1.00 56.91	C
	ATOM 10685 C CYS C 433	2.825 39.062 13.974 1.00 60.37	C	ATOM 10770 N VAL C 444	5.120 36.473 17.475 1.00 68.96	C
	ATOM 10686 O CYS C 433	3.862 39.067 14.639 1.00 61.11	C	ATOM 10771 CA VAL C 444	5.244 37.635 17.456 1.00 66.11	C
	ATOM 10687 CB CYS C 433	3.154 41.012 12.426 1.00128.59	C	ATOM 10772 CB VAL C 444	4.411 37.715 18.754 1.00 63.75	C
	ATOM 10688 SG CYS C 433	3.418 40.001 10.932 1.00 75.70	C	ATOM 10773 CG1 VAL C 444	3.261 38.670 18.568 1.00 56.05	C
20	ATOM 10689 N VAL C 434	2.162 37.941 13.673 1.00 58.06	C	ATOM 10774 CG2 VAL C 444	3.893 36.340 19.127 1.00 56.05	C
	ATOM 10690 CA VAL C 434	2.670 36.626 14.056 1.00 54.05	C	ATOM 10775 C VAL C 444	6.085 38.905 17.307 1.00 69.93	C
	ATOM 10691 CB VAL C 434	1.590 35.745 14.685 1.00 64.63	C	ATOM 10776 O VAL C 444	7.172 39.011 17.876 1.00 72.19	C
	ATOM 10692 CG1 VAL C 434	2.236 34.486 15.247 1.00 46.41	C	ATOM 10777 N TYR C 445	5.590 39.857 16.522 1.00 48.49	C
	ATOM 10693 CG2 VAL C 434	0.869 36.504 15.781 1.00 46.41	C	ATOM 10778 CA TYR C 445	6.291 41.117 16.286 1.00 47.56	C
	ATOM 10694 C VAL C 434	3.182 35.927 12.798 1.00 64.45	C	ATOM 10779 CB TYR C 445	6.939 41.097 14.914 1.00 78.24	C
	ATOM 10695 O VAL C 434	2.415 35.650 11.881 1.00 55.51	C	ATOM 10780 CG TYR C 445	7.928 39.976 14.758 1.00 50.66	C
	ATOM 10696 N VAL C 435	4.476 35.635 12.768 1.00 49.92	C	ATOM 10781 CD1 TYR C 445	7.540 38.736 14.256 1.00 50.66	C
	ATOM 10697 CA VAL C 435	5.107 35.012 11.615 1.00 41.66	C	ATOM 10782 CE1 TYR C 445	8.459 37.699 14.106 1.00 50.66	C
	ATOM 10698 CB VAL C 435	6.441 35.723 11.305 1.00 56.35	C	ATOM 10783 CD2 TYR C 445	9.258 40.150 15.112 1.00 50.66	C
	ATOM 10699 CG1 VAL C 435	7.230 34.960 10.259 1.00 35.68	C	ATOM 10784 CE2 TYR C 445	10.181 39.122 14.968 1.00 50.66	C
25	ATOM 10700 CG2 VAL C 435	6.160 37.128 10.840 1.00 35.68	C	ATOM 10785 CZ TYR C 445	9.780 37.897 14.463 1.00 50.66	C
	ATOM 10701 C VAL C 435	5.375 33.518 11.770 1.00 49.58	C	ATOM 10786 OH TYR C 445	10.711 36.882 14.302 1.00 50.66	C
	ATOM 10702 O VAL C 435	6.077 33.098 12.684 1.00 50.17	C	ATOM 10787 C TYR C 445	5.314 42.280 16.396 1.00 49.02	C
	ATOM 10703 N PHE C 436	4.827 32.719 10.861 1.00 59.43	C	ATOM 10788 O TYR C 445	4.195 42.210 15.884 1.00 51.88	C
	ATOM 10704 CA PHE C 436	5.026 31.281 10.899 1.00 55.63	C	ATOM 10789 N THR C 446	5.745 43.359 17.048 1.00 49.85	C
	ATOM 10705 CB PHE C 436	3.704 30.551 10.684 1.00 62.47	C	ATOM 10790 CA THR C 446	4.871 44.512 17.266 1.00 56.83	C
	ATOM 10706 CG PHE C 436	2.697 30.794 11.763 1.00 37.24	C	ATOM 10791 CB THR C 446	4.700 44.750 18.767 1.00 73.69	C
	ATOM 10707 CD1 PHE C 436	1.868 31.905 11.726 1.00 37.24	C	ATOM 10792 OG1 THR C 446	5.994 44.939 19.355 1.00 61.84	C
	ATOM 10708 CD2 PHE C 436	2.591 29.917 12.841 1.00 37.24	C	ATOM 10793 CG2 THR C 446	4.031 43.560 19.424 1.00 61.84	C
	ATOM 10709 CE1 PHE C 436	0.941 32.141 12.749 1.00 37.24	C	ATOM 10794 C THR C 446	5.254 45.860 16.652 1.00 66.63	C
	ATOM 10710 CE2 PHE C 436	1.668 30.147 13.869 1.00 37.24	C	ATOM 10795 O THR C 446	5.980 45.943 15.661 1.00 70.30	C
30	ATOM 10711 CZ PHE C 436	0.843 31.256 13.823 1.00 37.24	C	ATOM 10796 N CYS C 447	4.713 46.898 17.292 1.00 87.16	C
	ATOM 10712 C PHE C 436	6.019 30.854 9.830 1.00 63.46	C	ATOM 10797 CA CYS C 447	4.879 48.328 16.997 1.00 88.14	C
	ATOM 10713 O PHE C 436	5.792 31.067 8.639 1.00 62.84	C	ATOM 10798 C CYS C 447	4.380 48.932 15.681 1.00 88.17	C
	ATOM 10714 N HIS C 437	7.121 30.246 10.258 1.00 41.66	C	ATOM 10799 O CYS C 447	4.495 48.346 14.604 1.00 85.03	C
	ATOM 10715 CA HIS C 437	8.157 29.798 9.339 1.00 42.73	C	ATOM 10800 CB CYS C 447	6.333 48.771 17.247 1.00135.66	C
	ATOM 10716 CB HIS C 437	9.114 30.950 9.033 1.00 72.91	C	ATOM 10801 SG CYS C 447	7.637 47.967 16.267 1.00121.19	C
	ATOM 10717 CG HIS C 437	10.202 30.588 8.076 1.00 49.28	C	ATOM 10802 N SER C 448	3.811 50.129 15.813 1.00200.84	C
	ATOM 10718 CD2 HIS C 437	11.486 30.214 8.286 1.00 49.28	C	ATOM 10803 CA SER C 448	3.271 50.896 14.696 1.00200.84	C
	ATOM 10719 ND1 HIS C 437	10.006 30.536 6.714 1.00 49.28	C	ATOM 10804 CB SER C 448	1.751 51.002 14.812 1.00200.84	C
	ATOM 10720 CE1 HIS C 437	11.123 30.147 6.125 1.00 49.28	C	ATOM 10805 OG SER C 448	1.155 49.718 14.819 1.00200.84	C
	ATOM 10721 NE2 HIS C 437	12.036 29.942 7.057 1.00 49.28	C	ATOM 10806 C SER C 448	3.890 52.294 14.702 1.00200.84	C
	ATOM 10722 C HIS C 437	8.926 28.643 9.978 1.00 47.04	C	ATOM 10807 O SER C 448	4.988 52.481 15.226 1.00200.84	C
35	ATOM 10723 O HIS C 437	8.905 28.485 11.195 1.00 49.26	C	ATOM 10808 N GLU C 449	3.179 53.275 14.145 1.00122.03	C
	ATOM 10724 N ASP C 438	9.601 27.836 9.163 1.00 51.67	C	ATOM 10809 CA GLU C 449	3.692 54.640 14.057 1.00122.03	C
	ATOM 10725 CA ASP C 438	10.363 26.700 9.672 1.00 53.58	C	ATOM 10810 CB GLU C 449	4.200 55.129 15.416 1.00117.72	C
	ATOM 10726 CB ASP C 438	11.085 25.996 8.529 1.00105.11	C	ATOM 10811 CG GLU C 449	3.117 55.617 16.353 1.00117.72	C
	ATOM 10727 CG ASP C 438	10.189 25.007 7.815 1.00 76.07	C	ATOM 10812 CD GLU C 449	1.941 54.668 16.419 1.00117.72	C
	ATOM 10728 OD1 ASP C 438	8.948 25.171 7.903 1.00 76.07	C	ATOM 10813 OE1 GLU C 449	2.160 53.475 16.708 1.00117.72	C
	ATOM 10729 OD2 ASP C 438	10.719 24.074 7.166 1.00 76.07	C	ATOM 10814 OE2 GLU C 449	0.797 55.113 16.181 1.00117.72	C
	ATOM 10730 C ASP C 438	11.337 27.117 10.760 1.00 54.92	C	ATOM 10815 C GLU C 449	4.847 54.596 13.075 1.00122.03	C

65251/C766

1	ATOM 10816 O GLU C 449	4.989	55.457	12.212	1.00122.03	C	ATOM 10901 CE1 HIS D 10	54.113	9.344	-39.037	1.00 37.17	D
	ATOM 10817 N GLY C 450	5.661	53.561	13.221	1.00 62.64	C	ATOM 10902 NE2 HIS D 10	53.503	10.084	-39.943	1.00 34.65	D
	ATOM 10818 CA GLY C 450	6.817	53.348	12.376	1.00 62.64	C	ATOM 10903 C HIS D 10	56.330	8.655	-43.181	1.00 34.84	D
	ATOM 10819 C GLY C 450	7.845	52.665	13.247	1.00 62.64	C	ATOM 10904 O HIS D 10	55.984	9.651	-43.807	1.00 33.00	D
	ATOM 10820 O GLY C 450	9.013	52.534	12.877	1.00 62.64	C	ATOM 10905 N VAL D 11	55.950	7.437	-43.518	1.00 36.99	D
5	ATOM 10821 N CYS C 451	7.388	52.225	14.416	1.00185.56	C	ATOM 10906 CA VAL D 11	55.057	7.234	-44.646	1.00 39.57	D
	ATOM 10822 CA CYS C 451	8.240	51.571	15.395	1.00185.56	C	ATOM 10907 CB VAL D 11	55.516	6.047	-45.513	1.00 31.92	D
	ATOM 10823 CB CYS C 451	8.862	50.311	14.821	1.00190.59	C	ATOM 10908 CG1 VAL D 11	56.892	6.352	-46.060	1.00 27.98	D
	ATOM 10824 SG CYS C 451	7.643	49.011	14.532	1.00190.59	C	ATOM 10909 CG2 VAL D 11	55.522	4.759	-44.695	1.00 33.90	D
	ATOM 10825 C CYS C 451	9.336	52.521	15.788	1.00185.56	C	ATOM 10910 C VAL D 11	53.634	7.018	-44.158	1.00 38.18	D
10	ATOM 10826 O CYS C 451	10.513	52.134	15.640	1.00185.56	C	ATOM 10911 O VAL D 11	53.394	6.554	-43.040	1.00 35.19	D
	ATOM 10827 OXT CYS C 451	8.992	53.637	16.230	1.00162.96	C	ATOM 10912 N VAL D 12	52.689	7.360	-45.013	1.00 37.62	D
	ATOM 10828 CB ARG D 1	65.351	23.727	-44.290	1.00145.45	D	ATOM 10913 CA VAL D 12	51.304	7.262	-44.641	1.00 35.79	D
	ATOM 10829 CG ARG D 1	64.219	22.825	-44.813	1.00145.45	D	ATOM 10914 CB VAL D 12	50.733	8.668	-44.550	1.00 48.43	D
	ATOM 10830 CD ARG D 1	63.966	22.951	-46.321	1.00145.45	D	ATOM 10915 CG1 VAL D 12	50.554	9.239	-45.947	1.00 42.23	D
15	ATOM 10831 NE ARG D 1	64.717	21.977	-47.118	1.00145.45	D	ATOM 10916 CG2 VAL D 12	49.444	8.651	-43.770	1.00 51.90	D
	ATOM 10832 CZ ARG D 1	64.538	20.658	-47.067	1.00145.45	D	ATOM 10917 C VAL D 12	50.552	6.417	-45.660	1.00 33.75	D
	ATOM 10833 NH1 ARG D 1	63.630	20.132	-46.255	1.00145.45	D	ATOM 10918 O VAL D 12	51.033	6.217	-46.780	1.00 33.59	D
	ATOM 10834 NH2 ARG D 1	65.275	19.858	-47.827	1.00145.45	D	ATOM 10919 N ALA D 13	49.381	5.916	-45.266	1.00 44.10	D
	ATOM 10835 C ARG D 1	67.140	21.998	-44.719	1.00200.84	D	ATOM 10920 CA ALA D 13	48.574	5.056	-46.141	1.00 43.77	D
20	ATOM 10836 O ARG D 1	66.615	21.129	-45.416	1.00200.84	D	ATOM 10921 CB ALA D 13	47.522	4.308	-45.319	1.00 24.47	D
	ATOM 10837 N ARG D 1	66.780	23.889	-46.310	1.00200.84	D	ATOM 10922 C ALA D 13	47.896	5.791	-47.277	1.00 47.75	D
	ATOM 10838 CA ARG D 1	66.750	23.474	-44.878	1.00200.84	D	ATOM 10923 O ALA D 13	47.396	6.891	-47.102	1.00 45.26	D
	ATOM 10839 N THR D 2	68.069	21.722	-43.807	1.00200.84	D	ATOM 10924 N ASN D 14	47.883	5.161	-48.441	1.00 45.32	D
	ATOM 10840 CA THR D 2	68.533	20.353	-43.562	1.00200.84	D	ATOM 10925 CA ASN D 14	47.252	5.719	-49.632	1.00 46.44	D
25	ATOM 10841 CB THR D 2	69.887	20.339	-42.792	1.00116.36	D	ATOM 10926 CB ASN D 14	47.849	5.066	-50.869	1.00 42.59	D
	ATOM 10842 OG1 THR D 2	70.865	21.099	-43.511	1.00115.10	D	ATOM 10927 CG ASN D 14	47.245	5.586	-52.159	1.00 44.58	D
	ATOM 10843 CG2 THR D 2	70.390	18.908	-42.614	1.00118.25	D	ATOM 10928 ODI ASN D 14	47.578	5.089	-53.242	1.00 44.16	D
	ATOM 10844 C THR D 2	67.529	19.565	-42.723	1.00200.84	D	ATOM 10929 ND2 ASN D 14	46.364	6.590	-52.059	1.00 46.70	D
	ATOM 10845 O THR D 2	67.354	19.855	-41.538	1.00200.84	D	ATOM 10930 C ASN D 14	45.750	5.438	-49.607	1.00 49.32	D
30	ATOM 10846 N PRO D 3	66.845	18.568	-43.319	1.00200.84	D	ATOM 10931 O ASN D 14	45.343	4.285	-49.693	1.00 49.84	D
	ATOM 10847 CD PRO D 3	66.759	18.106	-44.718	1.00 92.56	D	ATOM 10932 N PRO D 15	44.909	6.484	-49.517	1.00 59.70	D
	ATOM 10848 CA PRO D 3	65.905	17.836	-42.469	1.00200.84	D	ATOM 10933 CD PRO D 15	45.227	7.918	-49.448	1.00 38.07	D
	ATOM 10849 CB PRO D 3	65.552	16.621	-43.323	1.00 90.80	D	ATOM 10934 CA PRO D 15	43.458	6.287	-49.483	1.00 63.30	D
	ATOM 10850 CG PRO D 3	65.507	17.219	-44.696	1.00 90.67	D	ATOM 10935 CB PRO D 15	42.927	7.647	-49.024	1.00 42.41	D
35	ATOM 10851 C PRO D 3	66.618	17.484	-41.161	1.00200.84	D	ATOM 10936 CG PRO D 15	44.145	8.414	-48.554	1.00 40.68	D
	ATOM 10852 O PRO D 3	66.003	17.483	-40.092	1.00200.84	D	ATOM 10937 C PRO D 15	42.887	5.905	-50.846	1.00 64.51	D
	ATOM 10853 N SER D 4	67.923	17.214	-41.265	1.00123.46	D	ATOM 10938 O PRO D 15	41.805	5.335	-50.938	1.00 66.54	D
	ATOM 10854 CA SER D 4	68.770	16.900	-40.110	1.00120.03	D	ATOM 10939 N GLN D 16	43.621	6.227	-51.901	1.00 84.35	D
	ATOM 10855 CB SER D 4	68.010	16.078	-39.059	1.00143.98	D	ATOM 10940 CA GLN D 16	43.186	5.936	-53.255	1.00 83.30	D

65251/C766

1	ATOM 10986 CG GLN D 22	50.637	1.773	-52.000	1.00	76.18	D	ATOM 11071 CA LEU D 32	61.450	9.767	-46.821	1.00	39.31	D
	ATOM 10987 CD GLN D 22	50.031	2.243	-53.301	1.00	82.40	D	ATOM 11072 CB LEU D 32	60.734	9.220	-48.052	1.00	34.01	D
	ATOM 10988 OE1 GLN D 22	50.693	2.888	-54.108	1.00	87.63	D	ATOM 11073 CG LEU D 32	61.471	8.009	-48.617	1.00	32.59	D
	ATOM 10989 NE2 GLN D 22	48.759	1.921	-53.511	1.00	83.16	D	ATOM 11074 CD1 LEU D 32	61.405	6.858	-47.608	1.00	31.57	D
	ATOM 10990 C GLN D 22	50.616	2.226	-49.048	1.00	39.52	D	ATOM 11075 CD2 LEU D 32	60.857	7.604	-49.937	1.00	32.91	D
	ATOM 10991 O GLN D 22	49.901	3.216	-48.876	1.00	38.47	D	ATOM 11076 C LEU D 32	62.779	10.415	-47.223	1.00	38.95	D
	ATOM 10992 N TRP D 23	51.903	2.223	-48.740	1.00	44.05	D	ATOM 11077 O LEU D 32	62.968	10.811	-48.377	1.00	44.82	D
	ATOM 10993 CA TRP D 23	52.529	3.397	-48.143	1.00	37.93	D	ATOM 11078 N ALA D 33	63.701	10.528	-46.269	1.00	40.46	D
	ATOM 10994 CB TRP D 23	53.708	2.976	-47.256	1.00	37.93	D	ATOM 11079 CA ALA D 33	64.962	11.194	-46.556	1.00	40.98	D
5	ATOM 10995 CG TRP D 23	53.372	1.968	-46.212	1.00	38.45	D	ATOM 11080 CB ALA D 33	64.901	12.618	-46.059	1.00	40.57	D
	ATOM 10996 CD2 TRP D 23	52.571	2.177	-45.036	1.00	36.56	D	ATOM 11081 C ALA D 33	66.241	10.579	-46.051	1.00	42.77	D
	ATOM 10997 CE2 TRP D 23	52.555	0.959	-44.324	1.00	38.18	D	ATOM 11082 O ALA D 33	66.254	9.619	-45.282	1.00	46.95	D
	ATOM 10998 CE3 TRP D 23	51.868	3.275	-44.516	1.00	36.25	D	ATOM 11083 N ASN D 34	67.331	11.189	-46.499	1.00	45.40	D
	ATOM 10999 CD1 TRP D 23	53.787	0.681	-46.169	1.00	37.92	D	ATOM 11084 CA ASN D 34	68.670	10.798	-46.118	1.00	42.59	D
	ATOM 11000 NE1 TRP D 23	53.304	0.063	-45.036	1.00	37.01	D	ATOM 11085 CB ASN D 34	68.918	11.222	-44.684	1.00	44.05	D
	ATOM 11001 CZ2 TRP D 23	51.870	0.806	-43.123	1.00	40.24	D	ATOM 11086 CG ASN D 34	68.764	12.699	-44.513	1.00	47.97	D
	ATOM 11002 CZ3 TRP D 23	51.186	3.123	-43.319	1.00	40.69	D	ATOM 11087 OD1 ASN D 34	69.325	13.467	-45.293	1.00	50.45	D
	ATOM 11003 CH2 TRP D 23	51.195	1.896	-42.637	1.00	38.50	D	ATOM 11088 ND2 ASN D 34	67.995	13.117	-43.506	1.00	43.38	D
	ATOM 11004 C TRP D 23	53.050	4.416	-49.147	1.00	38.43	D	ATOM 11089 C ASN D 34	69.015	9.339	-46.298	1.00	43.34	D
	ATOM 11005 O TRP D 23	53.653	4.044	-50.153	1.00	39.71	D	ATOM 11090 O ASN D 34	69.656	8.731	-45.441	1.00	45.88	D
10	ATOM 11006 N LEU D 24	52.823	5.700	-48.874	1.00	37.51	D	ATOM 11091 N GLY D 35	68.587	8.772	-47.417	1.00	45.94	D
	ATOM 11007 CA LEU D 24	53.342	6.748	-49.744	1.00	35.20	D	ATOM 11092 CA GLY D 35	68.937	7.399	-47.691	1.00	40.53	D
	ATOM 11008 CB LEU D 24	52.250	7.457	-50.540	1.00	57.62	D	ATOM 11093 C GLY D 35	67.890	6.320	-47.565	1.00	40.88	D
	ATOM 11009 CG LEU D 24	50.869	6.865	-50.709	1.00	58.35	D	ATOM 11094 O GLY D 35	67.940	5.358	-48.307	1.00	42.37	D
	ATOM 11010 CD1 LEU D 24	50.141	7.006	-49.401	1.00	59.97	D	ATOM 11095 N VAL D 36	66.950	6.431	-46.643	1.00	29.89	D
	ATOM 11011 CD2 LEU D 24	50.120	7.609	-51.791	1.00	53.46	D	ATOM 11096 CA VAL D 36	65.993	5.351	-46.561	1.00	31.22	D
	ATOM 11012 C LEU D 24	54.049	7.789	-48.914	1.00	42.06	D	ATOM 11097 CB VAL D 36	65.148	5.410	-45.240	1.00	28.38	D
	ATOM 11013 O LEU D 24	53.798	7.919	-47.723	1.00	39.04	D	ATOM 11098 CG1 VAL D 36	65.430	6.664	-44.512	1.00	26.41	D
	ATOM 11014 N ASN D 25	54.927	8.539	-49.559	1.00	35.31	D	ATOM 11099 CG2 VAL D 36	63.681	5.247	-45.524	1.00	28.78	D
	ATOM 11015 CA ASN D 25	55.670	9.585	-48.885	1.00	36.75	D	ATOM 11100 C VAL D 36	65.137	5.357	-47.824	1.00	35.37	D
	ATOM 11016 CB ASN D 25	57.161	9.271	-48.939	1.00	36.28	D	ATOM 11101 O VAL D 36	64.779	6.410	-48.347	1.00	36.33	D
	ATOM 11017 CG ASN D 25	57.721	9.444	-50.316	1.00	37.85	D	ATOM 11102 N GLU D 37	64.848	4.162	-48.329	1.00	41.60	D
15	ATOM 11018 OD1 ASN D 25	58.529	10.338	-50.555	1.00	41.84	D	ATOM 11103 CA GLU D 37	64.068	4.015	-49.543	1.00	44.20	D
	ATOM 11019 ND2 ASN D 25	57.275	8.601	-51.249	1.00	34.25	D	ATOM 11104 CB GLU D 37	64.875	3.258	-50.598	1.00	63.74	D
	ATOM 11020 C ASN D 25	55.417	10.918	-49.580	1.00	37.28	D	ATOM 11105 CG GLU D 37	66.346	3.634	-50.603	1.00	70.77	D
	ATOM 11021 O ASN D 25	55.911	11.951	-49.145	1.00	39.64	D	ATOM 11106 CD GLU D 37	67.223	2.639	-51.356	1.00	73.74	D
	ATOM 11022 N ARG D 26	54.648	10.900	-50.660	1.00	38.45	D	ATOM 11107 OE1 GLU D 37	68.861	1.434	-51.413	1.00	77.17	D
	ATOM 11023 CA ARG D 26	54.375	12.122	-51.404	1.00	39.73	D	ATOM 11108 OE2 GLU D 37	68.287	3.061	-51.870	1.00	74.30	D
	ATOM 11024 CB ARG D 26	54.153	11.792	-52.879	1.00	39.13	D	ATOM 11109 C GLU D 37	62.789	3.260	-49.251	1.00	43.09	D
	ATOM 11025 CG ARG D 26	53.065	10.768	-53.136	1.00	40.04	D	ATOM 11110 O GLU D 37	62.699	2.489	-48.292	1.00	45.55	D
	ATOM 11026 CD ARG D 26	52.735	10.716	-54.618	1.00	44.10	D	ATOM 11111 N LEU D 38	61.788	3.516	-50.077	1.00	50.21	D
	ATOM 11027 NE ARG D 26	51.705	9.731	-54.938	1.00	45.24	D	ATOM 11112 CA LEU D 38	60.505	2.846	-49.957	1.00	52.25	D
	ATOM 11028 CZ ARG D 26	51.942	8.441	-55.105	1.00	45.80	D	ATOM 11113 CB LEU D 38	59.375	3.868	-49.999	1.00	38.58	D
20	ATOM 11029 NH1 ARG D 26	53.176	7.976	-54.983	1.00	46.28	D	ATOM 11114 CG LEU D 38	57.973	3.316	-49.791	1.00	36.49	D
	ATOM 11030 NH2 ARG D 26	50.949	7.626	-55.403	1.00	44.83	D	ATOM 11115 CD1 LEU D 38	57.963	2.389	-48.597	1.00	34.87	D
	ATOM 11031 C ARG D 26	53.183	12.928	-50.888	1.00	37.79	D	ATOM 11116 CD2 LEU D 38	56.985	4.482	-49.610	1.00	33.36	D
	ATOM 11032 O ARG D 26	52.355	13.391	-51.673	1.00	37.50	D	ATOM 11117 C LEU D 38	60.490	1.951	-51.184	1.00	52.52	D
	ATOM 11033 N ARG D 27	53.104	13.113	-49.575	1.00	37.88	D	ATOM 11118 O LEU D 38	60.279	2.404	-52.300	1.00	46.13	D
	ATOM 11034 CA ARG D 27	51.997	13.842	-49.001	1.00	38.81	D	ATOM 11119 N ARG D 39	60.753	0.673	-50.969	1.00	43.83	D
	ATOM 11035 CB ARG D 27	51.026	12.865	-48.342	1.00	33.70	D	ATOM 11120 CA ARG D 39	60.834	-0.292	-52.057	1.00	50.36	D
	ATOM 11036 CG ARG D 27	50.303	11.985	-49.335	1.00	35.12	D	ATOM 11121 CB ARG D 39	62.277	-0.783	-52.153	1.00	55.68	D
	ATOM 11037 CD ARG D 27	49.671	12.831	-50.428	1.00	37.49	D	ATOM 11122 CG ARG D 39	62.608	-1.601	-53.351	1.00	63.38	D
	ATOM 11038 NE ARG D 27	49.074	12.036	-51.489	1.00	40.88	D	ATOM 11123 CD ARG D 39	64.107	-1.788	-53.433	1.00	71.99	D
	ATOM 11039 CZ ARG D 27	48.044	11.226	-51.297	1.00	44.49	D	ATOM 11124 NE ARG D 39	64.499	-2.300	-54.742	1.00	78.52	D
25	ATOM 11040 NH1 ARG D 27	47.552	10.533	-52.323	1.00	45.36	D	ATOM 11125 CZ ARG D 39	65.753	-2.332	-55.190	1.00	79.32	D
	ATOM 11041 NH2 ARG D 27	47.509	11.117	-50.072	1.00	42.72	D	ATOM 11126 NH1 ARG D 39	66.742	-1.881	-54.425	1.00	77.80	D
	ATOM 11042 C ARG D 27	52.398	14.920	-48.008	1.00	39.27	D	ATOM 11127 NH2 ARG D 39	66.021	-2.795	-56.411	1.00	81.62	D
	ATOM 11043 O ARG D 27	53.568	15.057	-47.645	1.00	39.41	D	ATOM 11128 C ARG D 39	59.885	-1.459	-51.809	1.00	52.41	D
	ATOM 11044 N ALA D 28	51.386	15.676	-47.589	1.00	78.51	D	ATOM 11129 O ARG D 39	59.844	-2.025	-50.705	1.00	55.64	D
	ATOM 11045 CA ALA D 28	51.504	16.775	-46.644	1.00	77.41	D	ATOM 11130 N ASP D 40	59.112	-1.809	-52.834	1.00	52.72	D
	ATOM 11046 CB ALA D 28	50.195	16.926	-45.880	1.00	128.01	D	ATOM 11131 CA ASP D 40	58.151	-2.911	-52.736	1.00	50.67	D
	ATOM 11047 C ALA D 28	52.658	16.688	-45.656	1.00	77.07	D	ATOM 11132 CB ASP D 40	58.888	-4.257	-52.759	1.00	78.61	D
	ATOM 11048 O ALA D 28	53.732	17.235	-45.891	1.00	78.09	D	ATOM 11133 CG ASP D 40	59.795	-4.411	-53.978	1.00	80.75	D
	ATOM 11049 N ASN D 29	52.447	16.009	-44.539	1.00	42.67	D	ATOM 11134 OD1 ASP D 40	59.300	-4.239	-55.112	1.00	77.63	D
	ATOM 11050 CA ASN D 29	53.495	15.940	-43.531	1.00	41.84	D	ATOM 11135 OD2 ASP D 40	61.000	-4.708	-53.804	1.00	80.87	D
30	ATOM 11051 CB ASN D 29	52.912	16.343	-42.180	1.00	42.60	D	ATOM 11136 C ASP D 40	57.304	-2.797	-51.469	1.00	46.80	D
	ATOM 11052 CG ASN D 29	52.431	17.783	-42.166	1.00	42.66	D	ATOM 11137 O ASP D 40	56.989	-3.793	-50.828	1.00	46.03	D
	ATOM 11053 OD1 ASN D 29	53.216	18.713	-42.006	1.00	48.52	D	ATOM 11138 N ASN D 41	56.951	-1.565	-51.115	1.00	36.84	D
	ATOM 11054 ND2 ASN D 29	51.134	17.972	-42.348	1.00	39.67	D	ATOM 11139 CA ASN D 41	56.132	-1.276	-49.940	1.00	32.59	D
	ATOM 11055 C ASN D 29	54.122	14.561	-43.441	1.00	40.18	D	ATOM 11140 CB ASN D 41	54.836	-2.075	-49.978	1.00	45.67	D
	ATOM 11056 O ASN D 29	54.073	13.904	-42.387	1.00	37.90	D	ATOM 11141 CG ASN D 41	53.717	-1.381	-49.235	1.00	40.36	D
	ATOM 11057 N ALA D 30	54.709	14.121	-44.550	1.00	39.97	D	ATOM 11142 OD1 ASN D 41	53.415	-0.216	-49.504	1.00	41.70	D
	ATOM 11058 CA ALA D 30	55.338	12.809	-44.606	1.00	34.79	D	ATOM 11143 ND2 ASN D 41	53.094	-2.087	-48.298	1.00	36.46	D
	ATOM 11059 CB ALA D 30	54.702	11.963	-45.700	1.00	27.80	D	ATOM 11144 C ASN D 41	56.825	-1.517	-48.603	1.00	35.90	D
	ATOM 11060 C ALA D 30	56.833	12.973	-44.852	1.00	36.19	D	ATOM 11145 O ASN D 41	56.165	-1.757	-47.585	1.00	37.41	D
	ATOM 11061 O ALA D 30	57.298	14.064	-45.160	1.00	40.34	D	ATOM 11146 N GLN D 42	58.153	-1.448	-48.607	1.00	40.92	D
	ATOM 11062 N LEU D 31	57.581	11.884	-44.702	1.00	42.44	D	ATOM 11147 CA GLN D 42	58.907	-1.653				

65251/C766

1	ATOM 11156 CA LEU D 43	61.298	0.827	-45.834	1.00	29.91	D	ATOM 11241 CB TYR D 54	56.642	4.021	-34.387	1.00	37.92	D
	ATOM 11157 CB LEU D 43	61.054	1.554	-44.509	1.00	19.89	D	ATOM 11242 CG TYR D 54	56.816	5.276	-35.213	1.00	37.92	D
	ATOM 11158 CG LEU D 43	59.753	2.373	-44.474	1.00	26.05	D	ATOM 11243 CD1 TYR D 54	55.734	5.859	-35.870	1.00	37.92	D
	ATOM 11159 CD1 LEU D 43	59.502	2.872	-43.069	1.00	26.14	D	ATOM 11244 CE1 TYR D 54	55.901	6.968	-36.683	1.00	37.92	D
	ATOM 11160 CD2 LEU D 43	59.826	3.516	-45.464	1.00	22.44	D	ATOM 11245 CD2 TYR D 54	58.077	5.846	-35.394	1.00	37.92	D
	ATOM 11161 C LEU D 43	62.644	0.099	-45.812	1.00	31.93	D	ATOM 11246 CE2 TYR D 54	58.252	6.965	-36.216	1.00	37.92	D
	ATOM 11162 O LEU D 43	62.762	-0.981	-45.249	1.00	28.55	D	ATOM 11247 CZ TYR D 54	57.157	7.516	-36.854	1.00	37.92	D
	ATOM 11163 N VAL D 44	63.649	0.679	-46.445	1.00	33.61	D	ATOM 11248 OH TYR D 54	57.314	8.614	-37.664	1.00	37.92	D
	ATOM 11164 CA VAL D 44	64.956	0.048	-46.473	1.00	33.29	D	ATOM 11249 C TYR D 54	55.754	2.699	-36.320	1.00	35.71	D
5	ATOM 11165 CB VAL D 44	65.376	-0.268	-47.915	1.00	22.48	D	ATOM 11250 O TYR D 54	56.068	2.932	-37.489	1.00	34.56	D
	ATOM 11166 CG1 VAL D 44	66.654	-1.081	-47.911	1.00	23.67	D	ATOM 11251 N SER D 55	54.513	2.419	-35.940	1.00	40.90	D
	ATOM 11167 CG2 VAL D 44	64.242	-1.016	-48.628	1.00	17.09	D	ATOM 11252 CA SER D 55	53.417	2.349	-36.889	1.00	40.68	D
	ATOM 11168 C VAL D 44	66.006	0.936	-45.821	1.00	32.30	D	ATOM 11253 CB SER D 55	53.535	1.077	-37.714	1.00	44.11	D
	ATOM 11169 O VAL D 44	66.268	2.050	-46.271	1.00	33.34	D	ATOM 11254 OG SER D 55	52.376	0.899	-38.506	1.00	50.67	D
	ATOM 11170 N VAL D 45	66.605	0.422	-44.758	1.00	40.63	D	ATOM 11255 C SER D 55	52.066	2.343	-36.204	1.00	43.66	D
	ATOM 11171 CA VAL D 45	67.622	1.134	-43.996	1.00	46.37	D	ATOM 11256 O SER D 55	51.926	1.860	-35.078	1.00	40.80	D
	ATOM 11172 CB VAL D 45	67.900	0.375	-42.677	1.00	50.88	D	ATOM 11257 N GLN D 56	51.069	2.887	-36.887	1.00	44.40	D
	ATOM 11173 CG1 VAL D 45	69.128	0.918	-42.000	1.00	53.45	D	ATOM 11258 CA GLN D 56	49.715	2.888	-36.360	1.00	45.10	D
	ATOM 11174 CG2 VAL D 45	66.711	0.511	-41.762	1.00	54.28	D	ATOM 11259 CB GLN D 56	49.346	4.205	-35.700	1.00	44.12	D
	ATOM 11175 C VAL D 45	68.918	1.308	-44.790	1.00	48.16	D	ATOM 11260 CG GLN D 56	47.980	4.111	-35.060	1.00	45.72	D
10	ATOM 11176 O VAL D 45	69.418	0.369	-45.396	1.00	47.61	D	ATOM 11261 CD GLN D 56	47.390	5.444	-34.688	1.00	48.84	D
	ATOM 11177 N PRO D 46	69.480	2.522	-44.788	1.00	48.48	D	ATOM 11262 OE1 GLN D 56	46.840	6.154	-35.536	1.00	48.37	D
	ATOM 11178 CD PRO D 46	68.818	3.766	-44.350	1.00	37.84	D	ATOM 11263 NE2 GLN D 56	47.495	5.798	-33.406	1.00	51.95	D
	ATOM 11179 CA PRO D 46	70.720	2.814	-45.515	1.00	47.33	D	ATOM 11264 C GLN D 56	48.709	2.649	-37.462	1.00	47.58	D
	ATOM 11180 CB PRO D 46	70.504	4.250	-45.972	1.00	37.20	D	ATOM 11265 O GLN D 56	48.797	3.247	-38.535	1.00	45.66	D
	ATOM 11181 CG PRO D 46	69.815	4.848	-44.754	1.00	37.90	D	ATOM 11266 N VAL D 57	47.754	1.770	-37.193	1.00	64.29	D
	ATOM 11182 C PRO D 46	72.029	2.665	-44.731	1.00	50.77	D	ATOM 11267 CA VAL D 57	46.697	1.484	-38.146	1.00	58.66	D
	ATOM 11183 O PRO D 46	73.102	2.820	-45.306	1.00	53.23	D	ATOM 11268 CB VAL D 57	46.744	0.032	-38.647	1.00	49.10	D
	ATOM 11184 N SER D 47	71.958	2.382	-43.435	1.00	60.24	D	ATOM 11269 CG1 VAL D 57	48.086	-0.239	-39.286	1.00	50.30	D
	ATOM 11185 CA SER D 47	73.187	2.249	-42.662	1.00	57.36	D	ATOM 11270 CG2 VAL D 57	46.492	-0.932	-37.504	1.00	46.03	D
	ATOM 11186 CB SER D 47	73.786	3.634	-42.424	1.00	56.45	D	ATOM 11271 C VAL D 57	45.386	1.712	-37.417	1.00	61.27	D
	ATOM 11187 OG SER D 47	72.890	4.447	-41.688	1.00	57.66	D	ATOM 11272 O VAL D 57	45.309	1.565	-36.195	1.00	62.38	D
15	ATOM 11188 C SER D 47	73.029	1.532	-41.319	1.00	54.05	D	ATOM 11273 N LEU D 58	44.361	2.096	-38.161	1.00	58.16	D
	ATOM 11189 O SER D 47	71.929	1.479	-40.766	1.00	51.19	D	ATOM 11274 CA LEU D 58	43.060	2.322	-37.566	1.00	56.61	D
	ATOM 11190 N GLU D 48	74.140	0.988	-40.806	1.00	46.90	D	ATOM 11275 CB LEU D 58	42.653	3.780	-37.730	1.00	62.65	D
	ATOM 11191 CA GLU D 48	74.169	0.288	-39.520	1.00	51.39	D	ATOM 11276 CG LEU D 58	41.699	4.349	-36.681	1.00	64.67	D
	ATOM 11192 CB GLU D 48	75.606	-0.098	-39.145	1.00	165.58	D	ATOM 11277 CD1 LEU D 58	40.986	5.555	-37.276	1.00	58.69	D
	ATOM 11193 CG GLU D 48	76.364	-0.939	-40.163	1.00	170.32	D	ATOM 11278 CD2 LEU D 58	40.692	3.299	-36.250	1.00	62.45	D
	ATOM 11194 CD GLU D 48	76.054	-2.420	-40.057	1.00	174.67	D	ATOM 11279 C LEU D 58	42.060	1.433	-38.285	1.00	59.58	D
	ATOM 11195 OE1 GLU D 48	74.919	-2.821	-40.391	1.00	176.41	D	ATOM 11280 O LEU D 58	41.831	1.599	-39.477	1.00	61.21	D
	ATOM 11196 OE2 GLU D 48	76.949	-3.183	-39.635	1.00	172.59	D	ATOM 11281 N PHE D 59	41.481	0.478	-37.569	1.00	60.22	D
	ATOM 11197 C GLU D 48	73.665	1.288	-38.496	1.00	49.98	D	ATOM 11282 CA PHE D 59	40.490	-0.415	-38.165	1.00	61.12	D
	ATOM 11198 O GLU D 48	73.857	2.492	-38.661	1.00	55.77	D	ATOM 11283 CB PHE D 59	40.594	-1.817	-37.574	1.00	49.30	D
20	ATOM 11199 N GLY D 49	73.017	0.808	-37.444	1.00	39.48	D	ATOM 11284 CG PHE D 59	41.878	-2.522	-37.894	1.00	45.79	D
	ATOM 11200 CA GLY D 49	72.556	1.729	-36.427	1.00	37.14	D	ATOM 11285 CD1 PHE D 59	42.889	-2.631	-36.944	1.00	44.23	D
	ATOM 11201 C GLY D 49	71.340	1.357	-35.619	1.00	39.15	D	ATOM 11286 CD2 PHE D 59	42.066	-3.105	-39.137	1.00	47.75	D
	ATOM 11202 O GLY D 49	70.656	0.368	-35.880	1.00	41.99	D	ATOM 11287 CE1 PHE D 59	44.063	-3.310	-37.223	1.00	50.15	D
	ATOM 11203 N LEU D 50	71.089	2.182	-34.614	1.00	47.78	D	ATOM 11288 CE2 PHE D 59	43.240	-3.787	-39.428	1.00	50.86	D
	ATOM 11204 CA LEU D 50	69.954	2.032	-33.722	1.00	48.98	D	ATOM 11289 CZ PHE D 59	44.240	-3.890	-38.469	1.00	49.46	D
	ATOM 11205 CB LEU D 50	70.331	2.605	-32.357	1.00	27.34	D	ATOM 11290 C PHE D 59	39.086	0.120	-37.906	1.00	65.23	D
	ATOM 11206 CG LEU D 50	70.410	1.685	-31.127	1.00	28.47	D	ATOM 11291 O PHE D 59	38.819	0.714	-36.860	1.00	64.92	D
	ATOM 11207 CD1 LEU D 50	70.788	0.280	-31.525	1.00	25.28	D	ATOM 11292 N LYS D 60	38.195	-0.091	-38.863	1.00	83.95	D
	ATOM 11208 CD2 LEU D 50	71.400	2.267	-30.131	1.00	28.86	D	ATOM 11293 CA LYS D 60	36.814	0.362	-38.745	1.00	85.30	D
25	ATOM 11209 C LEU D 50	68.808	2.829	-34.346	1.00	45.36	D	ATOM 11294 CB LYS D 60	36.627	1.720	-39.419	1.00	68.67	D
	ATOM 11210 O LEU D 50	68.986	3.986	-34.720	1.00	44.08	D	ATOM 11295 CG LYS D 60	35.194	2.206	-39.436	1.00	74.86	D
	ATOM 11211 N TYR D 51	67.638	2.218	-34.478	1.00	42.37	D	ATOM 11296 CD LYS D 60	35.084	3.523	-40.177	1.00	83.07	D
	ATOM 11212 CA TYR D 51	66.512	2.915	-35.089	1.00	41.02	D	ATOM 11297 CE LYS D 60	33.651	4.021	-40.232	1.00	85.82	D
	ATOM 11213 CB TYR D 51	66.181	2.333	-36.476	1.00	37.87	D	ATOM 11298 NZ LYS D 60	33.586	5.339	-40.926	1.00	86.16	D
	ATOM 11214 CG TYR D 51	67.141	2.654	-37.590	1.00	37.97	D	ATOM 11299 C LYS D 60	35.901	-0.647	-39.411	1.00	84.81	D
	ATOM 11215 CD1 TYR D 51	68.387	2.057	-37.657	1.00	38.83	D	ATOM 11300 O LYS D 60	36.198	-1.149	-40.497	1.00	87.56	D
	ATOM 11216 CE1 TYR D 51	69.266	2.350	-38.693	1.00	38.39	D	ATOM 11301 N GLY D 61	34.788	-0.946	-38.758	1.00	86.26	D
	ATOM 11217 CD2 TYR D 51	66.790	3.555	-38.587	1.00	39.53	D	ATOM 11302 CA GLY D 61	33.862	-1.899	-39.322	1.00	88.82	D
	ATOM 11218 CE2 TYR D 51	67.660	3.859	-39.633	1.00	37.80	D	ATOM 11303 C GLY D 61	32.438	-1.487	-39.054	1.00	90.52	D
	ATOM 11219 CZ TYR D 51	68.892	3.259	-39.681	1.00	37.50	D	ATOM 11304 O GLY D 61	32.140	-0.924	-38.002	1.00	93.69	D
	ATOM 11220 OH TYR D 51	69.746	3.580	-40.710	1.00	37.73	D	ATOM 11305 N GLN D 62	31.559	-1.752	-40.018	1.00	98.59	D
30	ATOM 11221 C TYR D 51	65.244	2.834	-34.265	1.00	41.20	D	ATOM 11306 CA GLN D 62	30.141	-1.433	-39.883	1.00	98.90	D
	ATOM 11222 O TYR D 51	64.958	1.811	-33.640	1.00	42.09	D	ATOM 11307 CB GLN D 62	29.520	-1.171	-41.257	1.00	118.93	D
	ATOM 11223 N LEU D 52	64.483	3.920	-34.268	1.00	35.65	D	ATOM 11308 CG GLN D 62	30.194	-0.061	-42.051	1.00	123.06	D
	ATOM 11224 CA LEU D 52	63.200	3.931	-33.589	1.00	37.30	D	ATOM 11309 CD GLN D 62	30.058	1.302	-41.395	1.00	129.00	D
	ATOM 11225 CB LEU D 52	62.896	5.314	-33.011	1.00	45.12	D	ATOM 11310 OE1 GLN D 62	30.500	1.507	-40.266	1.00	128.60	D
	ATOM 11226 CG LEU D 52	61.457	5.509	-32.517	1.00	41.01	D	ATOM 11311 NE2 GLN D 62	29.444	2.242	-42.104	1.00	129.17	D
	ATOM 11227 CD1 LEU D 52	61.065	4.407	-31.562	1.00	43.04	D	ATOM 11312 C GLN D 62	29.485	-2.648	-39.243	1.00	96.84	D
	ATOM 11228 CD2 LEU D 52	61.332	6.861	-31.847	1.00	35.34	D	ATOM 11313 O GLN D 62	29.544	-3.750	-39.791	1.00	98.35	D
	ATOM 11229 C LEU D 52	62.221	3.587	-34.722	1.00	38.83	D	ATOM 11314 N GLY D 63	28.876	-2.451	-38.080	1.00	93.14	D
	ATOM 11230 O LEU D 52	62.207	4.260	-35.759	1.00	39.40	D	ATOM 11315 CA GLY D 63	28.236	-3.559	-37.396	1.00	91.13	D
	ATOM 11231 N ILE D 53	61.449	2.514	-34.540	1.00	34.18	D	ATOM 11316 C GLY D 63	29.202	-4.714	-37.209	1.00	89.21	D
35	ATOM 11232 CA ILE D 53	60.493	2.067	-35.547	1.00	30.78	D	ATOM 11317 O GLY D 63	30.401	-4.558				

65251/C766

1	ATOM 11326 CA PRO D 65	30.561 -10.022 -38.783	1.00111.71	D	ATOM 11411 CB SER D 76	58.255 -8.352 -40.524	1.00 53.52	D
	ATOM 11327 CB PRO D 65	32.040 -10.142 -39.151	1.00168.10	D	ATOM 11412 OG SER D 76	57.030 -8.917 -40.119	1.00 62.81	D
	ATOM 11328 CG PRO D 65	32.556 -8.746 -38.988	1.00167.83	D	ATOM 11413 C SER D 76	60.068 -6.773 -40.036	1.00 41.62	D
	ATOM 11329 C PRO D 65	30.058 -11.272 -38.072	1.00114.72	D	ATOM 11414 O SER D 76	60.129 -5.710 -40.650	1.00 37.77	D
	ATOM 11330 O PRO D 65	29.254 -11.196 -37.145	1.00114.99	D	ATOM 11415 N ARG D 77	61.125 -7.522 -39.777	1.00 44.41	D
	ATOM 11331 N SER D 66	30.553 -12.422 -38.514	1.00130.97	D	ATOM 11416 CA ARG D 77	62.440 -7.182 -40.273	1.00 49.59	D
	ATOM 11332 CA SER D 66	30.168 -13.697 -37.936	1.00134.57	D	ATOM 11417 CB ARG D 77	63.442 -6.965 -39.128	1.00 27.87	D
	ATOM 11333 CB SER D 66	30.034 -14.748 -39.043	1.00140.06	D	ATOM 11418 CG ARG D 77	64.891 -7.146 -39.593	1.00 30.05	D
	ATOM 11334 OG SER D 66	29.686 -16.014 -38.513	1.00137.22	D	ATOM 11419 CD ARG D 77	65.892 -6.414 -38.746	1.00 30.92	D
5	ATOM 11335 C SER D 66	31.208 -14.145 -36.918	1.00135.12	D	ATOM 11420 NE ARG D 77	66.704 -7.287 -37.904	1.00 33.36	D
	ATOM 11336 O SER D 66	32.230 -13.484 -36.727	1.00128.54	D	ATOM 11421 CZ ARG D 77	68.039 -7.290 -37.898	1.00 36.79	D
	ATOM 11337 N THR D 67	30.928 -15.272 -36.271	1.00200.84	D	ATOM 11422 NH1 ARG D 77	68.708 -8.109 -37.088	1.00 36.88	D
	ATOM 11338 CA THR D 67	31.805 -15.865 -35.266	1.00200.84	D	ATOM 11423 NH2 ARG D 77	68.711 -6.496 -38.718	1.00 36.65	D
	ATOM 11339 CB THR D 67	32.710 -16.954 -35.890	1.00175.25	D	ATOM 11424 C ARG D 77	62.911 -8.356 -41.129	1.00 47.93	D
	ATOM 11340 OG1 THR D 67	31.901 -17.901 -36.598	1.00175.25	D	ATOM 11425 O ARG D 77	62.771 -9.518 -40.747	1.00 53.68	D
	ATOM 11341 CG2 THR D 67	33.496 -17.685 -34.803	1.00175.25	D	ATOM 11426 N ILE D 78	63.417 -8.061 -42.312	1.00 52.10	D
	ATOM 11342 C THR D 67	32.696 -14.863 -34.538	1.00200.84	D	ATOM 11427 CA ILE D 78	63.969 -9.112 -43.135	1.00 50.79	D
	ATOM 11343 O THR D 67	32.262 -14.198 -33.596	1.00200.84	D	ATOM 11428 CB ILE D 78	63.199 -9.289 -44.506	1.00 72.09	D
	ATOM 11344 N HIS D 68	33.943 -14.759 -34.985	1.00145.05	D	ATOM 11429 CG2 ILE D 78	61.876 -8.553 -44.478	1.00 72.59	D
	ATOM 11345 CA HIS D 68	34.898 -13.858 -34.359	1.00140.17	D	ATOM 11430 CG1 ILE D 78	64.045 -8.830 -45.682	1.00 73.76	D
10	ATOM 11346 CB HIS D 68	35.626 -14.600 -33.235	1.00200.84	D	ATOM 11431 CD1 ILE D 78	65.181 -9.770 -46.014	1.00 74.08	D
	ATOM 11347 CG HIS D 68	36.226 -13.701 -32.200	1.00200.84	D	ATOM 11432 C ILE D 78	65.402 -8.591 -43.259	1.00 52.96	D
	ATOM 11348 CD2 HIS D 68	37.507 -13.540 -31.794	1.00200.84	D	ATOM 11433 O ILE D 78	65.676 -7.633 -43.986	1.00 51.51	D
	ATOM 11349 ND1 HIS D 68	35.469 -12.845 -31.430	1.00200.84	D	ATOM 11434 N ALA D 79	66.298 -9.193 -42.476	1.00 49.06	D
	ATOM 11350 CE1 HIS D 68	36.258 -12.194 -30.594	1.00200.84	D	ATOM 11435 CA ALA D 79	67.700 -8.785 -42.434	1.00 45.66	D
	ATOM 11351 NE2 HIS D 68	37.499 -12.598 -30.794	1.00200.84	D	ATOM 11436 CB ALA D 79	68.361 -9.353 -41.191	1.00 63.01	D
	ATOM 11352 C HIS D 68	35.904 -13.354 -35.388	1.00136.00	D	ATOM 11437 C ALA D 79	68.507 -9.165 -43.658	1.00 46.86	D
	ATOM 11353 O HIS D 68	36.309 -14.096 -36.281	1.00135.45	D	ATOM 11438 O ALA D 79	68.220 -10.154 -44.316	1.00 47.06	D
	ATOM 11354 N VAL D 69	36.297 -12.089 -35.259	1.00 95.05	D	ATOM 11439 N VAL D 80	69.525 -8.371 -43.961	1.00 51.01	D
	ATOM 11355 CA VAL D 69	37.265 -11.478 -36.167	1.00 94.78	D	ATOM 11440 CA VAL D 80	70.382 -8.647 -45.107	1.00 53.50	D
	ATOM 11356 CB VAL D 69	36.656 -10.277 -36.918	1.00122.97	D	ATOM 11441 CB VAL D 80	71.431 -7.534 -45.312	1.00 58.82	D
	ATOM 11357 CG1 VAL D 69	37.672 -9.710 -37.891	1.00122.73	D	ATOM 11442 CG1 VAL D 80	72.341 -7.875 -46.473	1.00 57.22	D
15	ATOM 11358 CG2 VAL D 69	35.400 -10.704 -37.657	1.00121.23	D	ATOM 11443 CG2 VAL D 80	70.746 -6.230 -45.573	1.00 60.52	D
	ATOM 11359 C VAL D 69	38.486 -10.990 -35.395	1.00 94.37	D	ATOM 11444 C VAL D 80	71.128 -9.953 -44.867	1.00 58.05	D
	ATOM 11360 O VAL D 69	38.357 -10.343 -34.356	1.00 97.93	D	ATOM 11445 O VAL D 80	71.422 -10.681 -45.805	1.00 56.64	D
	ATOM 11361 N LEU D 70	39.670 -11.310 -35.906	1.00 90.01	D	ATOM 11446 N SER D 81	71.437 -10.241 -43.607	1.00 46.39	D
	ATOM 11362 CA LEU D 70	40.912 -10.898 -35.268	1.00 85.23	D	ATOM 11447 CA SER D 81	72.155 -11.454 -43.265	1.00 49.25	D
	ATOM 11363 CB LEU D 70	41.829 -12.100 -35.014	1.00 67.89	D	ATOM 11448 CB SER D 81	73.101 -11.182 -42.101	1.00 35.39	D
	ATOM 11364 CG LEU D 70	41.392 -13.119 -33.956	1.00 69.59	D	ATOM 11449 OG SER D 81	74.099 -10.260 -42.478	1.00 38.43	D
	ATOM 11365 CD1 LEU D 70	42.492 -14.146 -33.779	1.00 64.63	D	ATOM 11450 C SER D 81	71.254 -12.635 -42.922	1.00 53.43	D
	ATOM 11366 CD2 LEU D 70	41.103 -12.430 -32.628	1.00 70.19	D	ATOM 11451 O SER D 81	71.744 -13.671 -42.480	1.00 53.95	D
	ATOM 11367 C LEU D 70	41.651 -9.893 -36.129	1.00 86.27	D	ATOM 11452 N TYR D 82	69.946 -12.480 -43.118	1.00 51.77	D
	ATOM 11368 O LEU D 70	41.783 -10.076 -37.337	1.00 86.38	D	ATOM 11453 CA TYR D 82	68.992 -13.550 -42.839	1.00 53.81	D
20	ATOM 11369 N LEU D 71	42.127 -8.828 -35.495	1.00 57.40	D	ATOM 11454 CB TYR D 82	68.833 -13.742 -41.325	1.00 31.73	D
	ATOM 11370 CA LEU D 71	42.872 -7.789 -36.185	1.00 57.34	D	ATOM 11455 CG TYR D 82	68.058 -14.992 -40.937	1.00 34.93	D
	ATOM 11371 CB LEU D 71	42.274 -6.418 -35.859	1.00 59.37	D	ATOM 11456 CD1 TYR D 82	66.894 -14.905 -40.175	1.00 37.22	D
	ATOM 11372 CG LEU D 71	40.809 -6.213 -36.251	1.00 57.04	D	ATOM 11457 CE1 TYR D 82	66.159 -16.035 -39.861	1.00 39.01	D
	ATOM 11373 CD1 LEU D 71	40.340 -4.842 -35.795	1.00 53.19	D	ATOM 11458 CD2 TYR D 82	68.470 -16.251 -41.368	1.00 37.02	D
	ATOM 11374 CD2 LEU D 71	40.662 -6.346 -37.756	1.00 57.16	D	ATOM 11459 CE2 TYR D 82	67.743 -17.389 -41.061	1.00 38.49	D
	ATOM 11375 C LEU D 71	44.312 -7.851 -35.704	1.00 61.37	D	ATOM 11460 CZ TYR D 82	66.587 -17.281 -40.312	1.00 39.18	D
	ATOM 11376 O LEU D 71	44.566 -7.844 -34.502	1.00 60.86	D	ATOM 11461 OH TYR D 82	65.849 -18.416 -40.036	1.00 37.60	D
	ATOM 11377 N THR D 72	45.254 -7.936 -36.635	1.00 57.13	D	ATOM 11462 C TYR D 82	67.644 -13.211 -43.469	1.00 53.24	D
	ATOM 11378 CA THR D 72	46.663 -7.979 -36.254	1.00 54.56	D	ATOM 11463 O TYR D 82	66.698 -12.855 -42.768	1.00 53.42	D
	ATOM 11379 CB THR D 72	47.317 -9.361 -36.525	1.00 59.02	D	ATOM 11464 N GLN D 83	67.572 -13.326 -44.797	1.00 56.59	D
25	ATOM 11380 OG1 THR D 72	47.605 -9.504 -37.921	1.00 61.55	D	ATOM 11465 CA GLN D 83	66.356 -13.030 -45.572	1.00 56.48	D
	ATOM 11381 CG2 THR D 72	46.394 -10.477 -36.088	1.00 56.74	D	ATOM 11466 CB GLN D 83	66.575 -13.336 -47.053	1.00 59.99	D
	ATOM 11382 C THR D 72	47.462 -6.923 -37.002	1.00 57.19	D	ATOM 11467 CG GLN D 83	66.948 -12.157 -47.928	1.00 64.26	D
	ATOM 11383 O THR D 72	47.202 -6.617 -38.162	1.00 58.23	D	ATOM 11468 CD GLN D 83	68.391 -11.756 -47.770	1.00 65.30	D
	ATOM 11384 N HIS D 73	48.436 -6.359 -36.311	1.00 50.32	D	ATOM 11469 OE1 GLN D 83	68.931 -11.006 -48.587	1.00 64.32	D
	ATOM 11385 CA HIS D 73	49.301 -5.345 -36.874	1.00 50.77	D	ATOM 11470 NE2 GLN D 83	69.033 -12.254 -46.714	1.00 62.80	D
	ATOM 11386 CB HIS D 73	49.013 -3.988 -36.240	1.00 55.17	D	ATOM 11471 C GLN D 83	65.067 -13.740 -45.158	1.00 54.66	D
	ATOM 11387 CG HIS D 73	49.805 -2.869 -36.835	1.00 58.04	D	ATOM 11472 O GLN D 83	64.592 -14.615 -45.871	1.00 52.11	D
	ATOM 11388 CD2 HIS D 73	50.462 -2.774 -38.015	1.00 59.80	D	ATOM 11473 N THR D 84	64.487 -13.363 -44.029	1.00 55.82	D
	ATOM 11389 ND1 HIS D 73	49.981 -1.658 -36.200	1.00 62.65	D	ATOM 11474 CA THR D 84	63.245 -13.980 -43.605	1.00 48.19	D
	ATOM 11390 CE1 HIS D 73	50.712 -0.865 -36.963	1.00 61.19	D	ATOM 11475 CB THR D 84	63.459 -15.263 -42.810	1.00 57.11	D
30	ATOM 11391 NE2 HIS D 73	51.016 -1.518 -38.070	1.00 61.36	D	ATOM 11476 OG1 THR D 84	64.359 -16.115 -43.510	1.00 57.66	D
	ATOM 11392 C HIS D 73	50.675 -5.815 -36.472	1.00 49.85	D	ATOM 11477 CG2 THR D 84	62.128 -15.979 -42.610	1.00 59.86	D
	ATOM 11393 O HIS D 73	50.895 -6.181 -35.318	1.00 45.71	D	ATOM 11478 C THR D 84	62.539 -13.030 -42.682	1.00 44.70	D
	ATOM 11394 N THR D 74	51.607 -5.834 -37.408	1.00 45.42	D	ATOM 11479 O THR D 84	63.168 -12.432 -41.810	1.00 46.01	D
	ATOM 11395 CA THR D 74	52.942 -6.292 -37.056	1.00 52.01	D	ATOM 11480 N LYS D 85	61.233 -12.897 -42.860	1.00 51.17	D
	ATOM 11396 CB THR D 74	52.983 -7.848 -37.043	1.00 51.50	D	ATOM 11481 CA LYS D 85	60.458 -12.025 -42.007	1.00 51.03	D
	ATOM 11397 OG1 THR D 74	54.135 -8.312 -37.750	1.00 54.01	D	ATOM 11482 CB LYS D 85	58.993 -12.004 -42.440	1.00 62.70	D
	ATOM 11398 CG2 THR D 74	51.729 -8.428 -37.681	1.00 56.33	D	ATOM 11483 CG LYS D 85	58.610 -10.905 -43.401	1.00 59.64	D
	ATOM 11399 C THR D 74	54.055 -5.725 -37.941	1.00 50.86	D	ATOM 11484 CD LYS D 85	57.099 -10.883 -43.544	1.00 58.04	D
	ATOM 11400 O THR D 74	53.890 -5.597 -39.149	1.00 46.44	D	ATOM 11485 CE LYS D 85	56.623 -9.709 -44.379	1.00 56.34	D
	ATOM 11401 N ILE D 75	55.176 -5.365 -37.321	1.00 45.10	D	ATOM 11486 NZ LYS D 85	57.140 -9.758 -45.782	1.00 54.59	D
35	ATOM 11402 CA ILE D 75	56.317 -4.826 -38.048	1.00 46.40	D	ATOM 11487 C LYS D 85	60.525 -12.549 -40.582	1.00 50.83	D
	ATOM 11403 CB ILE D 75	56.911 -3.579 -37.354	1.00 40.17	D	ATOM 11488 O LYS D 85	60.211 -13.713 -40.339	1.00 51.28	D
	ATOM 11404 CG2 ILE D 75	58.164 -3.124 -38.072	1.00 39.66	D	ATOM 11489 N VAL D 86	60.972 -11.703 -39.657	1.00 46.74	D
	ATOM 11405 CG1 ILE D 75	55.876 -2.454 -37.346	1.00 37.33	D	ATOM 11490 CA VAL D 86	61.008 -12.046 -38.237	1.00 49.63	D
	ATOM 11406 CD1 ILE D 75	56.359 -1.163 -36.717	1.00 40.62	D	ATOM 11491 CB VAL D 86	62.645 -12.202 -37.663	1.00 48.24	D
	ATOM 11407 C ILE D 75	57.378 -5.909 -38.099	1.00 49.54	D	ATOM 11492 CG1 VAL D 86	63.174 -13.342 -38.355	1.00 54.98	D
	ATOM 11408 O ILE D 75	57.839 -6.394 -37.061	1.00 46.31	D	ATOM 11493 CG2 VAL D 86	63.259 -10.933 -37.845	1.00 49.51	D
	ATOM 11409 N SER D 76	57.762 -6.285 -39.314	1.00 44.54	D	ATOM 11494 C VAL D 86	60.293 -10.868 -37.592	1.00 50.30	D
	ATOM 11410 CA SER D 76	58.758 -7.322 -39.516	1.00 45.62	D	ATOM 11495 O VAL D 86	60.613 -9.709 -37.870	1.00 54.99	D

65251/C766

1	ATOM 11496 N ASN D 87	59.298 -11.153 -36.764	1.00 56.57	D	ATOM 11581 NE ARG D 98	28.601 -15.857 -32.460	1.00190.78	D
	ATOM 11497 CA ASN D 87	58.538 -10.083 -36.130	1.00 53.25	D	ATOM 11582 CZ ARG D 98	28.213 -16.923 -31.765	1.00190.78	D
	ATOM 11498 CB ASN D 87	57.262 -10.651 -35.521	1.00 51.64	D	ATOM 11583 NH1 ARG D 98	27.080 -17.539 -32.074	1.00190.78	D
	ATOM 11499 CG ASN D 87	56.314 -11.188 -36.565	1.00 51.94	D	D			
	ATOM 11500 OD1 ASN D 87	56.526 -11.008 -37.761	1.00 54.55	D	ATOM 11584 NH2 ARG D 98	28.956 -17.376 -30.763	1.00190.78	D
5	ATOM 11501 ND2 ASN D 87	55.252 -11.841 -36.120	1.00 48.90	D	D			
	ATOM 11502 C ASN D 87	59.295 -9.289 -35.068	1.00 52.07	D	ATOM 11585 C ARG D 98	29.555 -11.690 -31.218	1.00200.84	D
	ATOM 11503 O ASN D 87	59.917 -9.869 -34.172	1.00 50.65	D	ATOM 11586 O ARG D 98	28.548 -12.337 -31.518	1.00200.84	D
	ATOM 11504 N LEU D 88	59.237 -7.961 -35.163	1.00 43.08	D	ATOM 11587 N GLU D 99	29.500 -10.428 -30.793	1.00193.32	D
	ATOM 11505 CA LEU D 88	59.895 -7.110 -34.183	1.00 42.07	D	ATOM 11588 CA GLU D 99	28.231 -9.716 -30.631	1.00193.32	D
10	ATOM 11506 CB LEU D 88	60.552 -5.919 -34.855	1.00 37.81	D	ATOM 11589 CB GLU D 99	28.466 -8.202 -30.528	1.00168.61	D
	ATOM 11507 CG LEU D 88	61.658 -6.211 -35.857	1.00 34.74	D	ATOM 11590 CG GLU D 99	29.898 -7.754 -30.793	1.00168.61	D
	ATOM 11508 CD1 LEU D 88	62.222 -4.891 -36.335	1.00 35.51	D	ATOM 11591 CD GLU D 99	30.769 -7.823 -29.555	1.00168.61	D
	ATOM 11509 CD2 LEU D 88	62.743 -7.067 -35.204	1.00 33.31	D	ATOM 11592 OE1 GLU D 99	30.684 -8.833 -28.828	1.00168.61	D
	ATOM 11510 C LEU D 88	58.868 -6.597 -33.200	1.00 41.31	D	ATOM 11593 OE2 GLU D 99	31.543 -6.870 -29.314	1.00168.61	D
15	ATOM 11511 O LEU D 88	59.103 -6.575 -32.000	1.00 39.78	D	ATOM 11594 C GLU D 99	27.259 -9.994 -31.777	1.00193.32	D
	ATOM 11512 N LEU D 89	57.723 -6.186 -33.728	1.00 46.95	D	ATOM 11595 O GLU D 99	26.103 -10.343 -31.543	1.00193.32	D
	ATOM 11513 CA LEU D 89	56.639 -5.650 -32.921	1.00 45.87	D	ATOM 11596 N THR D 100	27.741 -9.837 -33.008	1.00200.84	D
	ATOM 11514 CB LEU D 89	56.619 -4.122 -33.016	1.00 34.38	D	ATOM 11597 CA THR D 100	26.938 -10.060 -34.210	1.00200.84	D
	ATOM 11515 CG LEU D 89	57.933 -3.408 -32.701	1.00 38.36	D	D			
20	ATOM 11516 CD1 LEU D 89	57.893 -2.031 -33.309	1.00 38.09	D	ATOM 11598 CB THR D 100	26.728 -11.573 -34.479	1.00183.51	D
	ATOM 11517 CD2 LEU D 89	58.164 -3.338 -31.199	1.00 37.48	D	D			
	ATOM 11518 C LEU D 89	55.345 -6.207 -33.484	1.00 47.54	D	ATOM 11599 OG1 THR D 100	26.135 -12.193 -33.332	1.00183.79	D
	ATOM 11519 O LEU D 89	55.189 -6.319 -34.703	1.00 48.26	D	D			
	ATOM 11520 N SER D 90	54.412 -6.550 -32.603	1.00 47.16	D	ATOM 11600 CG2 THR D 100	28.057 -12.252 -34.786	1.00184.68	D
25	ATOM 11521 CA SER D 90	53.143 -7.105 -33.038	1.00 46.50	D	D			
	ATOM 11522 CB SER D 90	53.324 -8.563 -33.421	1.00 58.61	D	ATOM 11601 C THR D 100	25.573 -9.372 -34.141	1.00200.84	D
	ATOM 11523 OG SER D 90	52.080 -9.124 -33.786	1.00 62.83	D	ATOM 11602 O THR D 100	24.730 -9.716 -33.311	1.00200.84	D
	ATOM 11524 C SER D 90	52.073 -7.018 -31.974	1.00 45.13	D	ATOM 11603 N PRO D 101	25.337 -8.388 -35.026	1.00200.84	D
	ATOM 11525 O SER D 90	52.355 -7.142 -30.786	1.00 44.95	D	ATOM 11604 CD PRO D 101	26.230 -7.965 -36.120	1.00136.24	D
30	ATOM 11526 N ALA D 91	50.837 -6.816 -32.406	1.00 46.23	D	ATOM 11605 CA PRO D 101	24.077 -7.641 -35.074	1.00200.84	D
	ATOM 11527 CA ALA D 91	49.721 -6.737 -31.475	1.00 44.32	D	ATOM 11606 CB PRO D 101	24.140 -6.963 -36.439	1.00137.19	D
	ATOM 11528 CB ALA D 91	49.475 -5.294 -31.068	1.00 26.27	D	ATOM 11607 CG PRO D 101	25.595 -6.667 -36.577	1.00135.22	D
	ATOM 11529 C ALA D 91	48.473 -7.328 -32.115	1.00 48.29	D	ATOM 11608 C PRO D 101	22.840 -8.521 -34.912	1.00200.84	D
	ATOM 11530 O ALA D 91	48.372 -7.420 -33.336	1.00 50.16	D	ATOM 11609 O PRO D 101	22.516 -9.327 -35.786	1.00200.84	D
35	ATOM 11531 N ILE D 92	47.528 -7.738 -31.281	1.00 57.76	D	ATOM 11610 N GLU D 102	22.159 -8.355 -33.782	1.00182.51	D
	ATOM 11532 CA ILE D 92	46.287 -8.324 -31.760	1.00 57.74	D	ATOM 11611 CA GLU D 102	20.954 -9.113 -33.471	1.00182.51	D
	ATOM 11533 CB ILE D 92	46.236 -9.823 -31.444	1.00 58.57	D	ATOM 11612 CB GLU D 102	20.262 -8.486 -32.255	1.00191.27	D
	ATOM 11534 CG2 ILE D 92	45.000 -10.437 -32.061	1.00 64.64	D	ATOM 11613 CG GLU D 102	18.936 -9.122 -31.856	1.00192.47	D
	ATOM 11535 CG1 ILE D 92	47.492 -10.507 -31.980	1.00 56.68	D	ATOM 11614 CD GLU D 102	17.802 -8.768 -32.802	1.00193.78	D
40	ATOM 11536 CD1 ILE D 92	47.615 -11.961 -31.584	1.00 62.55	D	ATOM 11615 OE1 GLU D 102	17.505 -7.564 -32.957	1.00194.59	D
	ATOM 11537 C ILE D 92	45.127 -7.640 -31.054	1.00 57.57	D	D			
	ATOM 11538 O ILE D 92	45.255 -7.232 -29.899	1.00 58.65	D	ATOM 11616 OE2 GLU D 102	17.206 -9.696 -33.390	1.00192.90	D
	ATOM 11539 N LYS D 93	43.999 -7.511 -31.742	1.00 69.99	D	D			
	ATOM 11540 CA LYS D 93	42.834 -6.874 -31.150	1.00 70.64	D	ATOM 11617 C GLU D 102	19.992 -9.173 -34.660	1.00179.07	D
45	ATOM 11541 CB LYS D 93	42.829 -5.387 -31.498	1.00 92.51	D	ATOM 11618 O GLU D 102	19.375 -10.208 -34.917	1.00176.13	D
	ATOM 11542 CG LYS D 93	42.194 -4.508 -30.430	1.00 96.20	D	ATOM 11619 N GLY D 103	19.872 -8.063 -35.382	1.00140.32	D
	ATOM 11543 CD LYS D 93	42.724 -3.075 -30.505	1.00 95.97	D	ATOM 11620 CA GLY D 103	18.981 -8.016 -36.530	1.00137.64	D
	ATOM 11544 CE LYS D 93	42.197 -2.217 -29.356	1.00 95.87	D	ATOM 11621 C GLY D 103	18.421 -6.622 -36.741	1.00135.51	D
	ATOM 11545 NZ LYS D 93	42.739 -0.823 -29.369	1.00 98.44	D	ATOM 11622 O GLY D 103	17.817 -6.327 -37.774	1.00130.00	D
50	ATOM 11546 C LYS D 93	41.559 -7.550 -31.645	1.00 72.34	D	ATOM 11623 N ALA D 104	18.625 -5.761 -35.750	1.00191.84	D
	ATOM 11547 O LYS D 93	41.423 -7.836 -32.833	1.00 70.26	D	ATOM 11624 CA ALA D 104	18.151 -4.384 -35.810	1.00191.84	D
	ATOM 11548 N SER D 94	40.634 -7.819 -30.723	1.00 86.32	D	ATOM 11625 CB ALA D 104	16.871 -4.234 -34.983	1.00102.77	D
	ATOM 11549 CA SER D 94	39.366 -8.478 -31.047	1.00 88.77	D	ATOM 11626 C ALA D 104	19.232 -3.438 -35.288	1.00191.84	D
	ATOM 11550 CB SER D 94	39.108 -9.631 -30.070	1.00 95.93	D	ATOM 11627 O ALA D 104	19.598 -3.501 -34.115	1.00191.84	D
55	ATOM 11551 OG SER D 94	39.083 -9.177 -28.726	1.00 98.36	D	ATOM 11628 N GLU D 105	19.735 -2.578 -36.176	1.00161.16	D
	ATOM 11552 C SER D 94	38.216 -7.483 -30.978	1.00 91.36	D	ATOM 11629 CA GLU D 105	20.776 -1.586 -35.876	1.00161.16	D
	ATOM 11553 O SER D 94	37.671 -7.228 -29.910	1.00 92.63	D	ATOM 11630 CB GLU D 105	20.792 -1.230 -34.384	1.00197.58	D
	ATOM 11554 N PRO D 95	37.816 -6.926 -32.129	1.00 88.18	D	ATOM 11631 CG GLU D 105	19.560 -0.481 -33.906	1.00197.58	D
	ATOM 11555 CD PRO D 95	38.235 -7.343 -33.480	1.00119.26	D	ATOM 11632 CD GLU D 105	19.374 0.844 -34.620	1.00197.58	D
60	ATOM 11556 CA PRO D 95	36.727 -5.948 -32.203	1.00 92.12	D	ATOM 11633 OE1 GLU D 105	19.152 0.834 -35.849	1.00197.58	D
	ATOM 11557 CB PRO D 95	36.747 -5.530 -33.665	1.00122.20	D	D			
	ATOM 11558 CG PRO D 95	37.114 -6.812 -34.349	1.00119.65	D	ATOM 11634 OE2 GLU D 105	19.451 1.898 -33.953	1.00196.35	D
	ATOM 11559 C PRO D 95	35.381 -6.522 -31.792	1.00 96.55	D	D			
	ATOM 11560 O PRO D 95	34.887 -6.265 -30.693	1.00 99.98	D	ATOM 11635 C GLU D 105	22.184 -2.001 -36.310	1.00161.16	D
65	ATOM 11561 N CYS D 96	34.789 -7.296 -32.691	1.00166.77	D	ATOM 11636 O GLU D 105	22.428 -2.250 -37.492	1.00161.16	D
	ATOM 11562 CA CYS D 96	33.505 -7.911 -32.422	1.00166.56	D	ATOM 11637 N ALA D 106	23.100 -2.054 -35.342	1.00173.84	D
	ATOM 11563 C CYS D 96	33.689 -9.150 -31.568	1.00167.66	D	ATOM 11638 CA ALA D 106	24.502 -2.422 -35.560	1.00173.84	D
	ATOM 11564 O CYS D 96	34.189 -10.175 -32.033	1.00167.96	D	ATOM 11639 CB ALA D 106	24.615 -3.492 -36.647	1.00 86.40	D
	ATOM 11565 CB CYS D 96	32.813 -8.273 -33.731	1.00200.84	D	ATOM 11640 C ALA D 106	25.362 -1.211 -35.922	1.00173.84	D
70	ATOM 11566 SG CYS D 96	32.273 -6.814 -34.670	1.00200.84	D	ATOM 11641 O ALA D 106	25.645 -0.965 -37.095	1.00173.84	D
	ATOM 11567 N GLN D 97	33.289 -9.036 -30.307	1.00200.84	D	ATOM 11642 N LYS D 107	25.776 -0.462 -34.904	1.00175.20	D
	ATOM 11568 CA GLN D 97	33.388 -10.135 -29.359	1.00200.84	D	ATOM 11643 CA LYS D 107	26.604 0.729 -35.093	1.00169.32	D
	ATOM 11569 CB GLN D 97	33.292 -9.590 -27.931	1.00172.22	D	ATOM 11644 CB LYS D 107	26.722 1.511 -33.775	1.00175.29	D
	ATOM 11570 CG GLN D 97	34.266 -8.457 -27.637	1.00172.22	D	ATOM 11645 CG LYS D 107	25.495 2.324 -33.373	1.00175.24	D
75	ATOM 11571 CD GLN D 97	33.882 -7.661 -26.403	1.00172.22	D	ATOM 11646 CD LYS D 107	24.291 1.450 -33.073	1.00176.67	D
	ATOM 11572 OE1 GLN D 97	33.779 -8.206 -25.304	1.00172.22	D	ATOM 11647 CE LYS D 107	23.157 2.278 -32.492	1.00172.71	D
	ATOM 11573 NE2 GLN D 97	33.666 -6.361 -26.582	1.00172.22	D	ATOM 11648 NZ LYS D 107	22.796 3.433 -33.358	1.00172.97	D
	ATOM 11574 C GLN D 97	32.245 -11.114 -29.627	1.00200.84	D	ATOM 11649 C LYS D 107	28.006 0.367 -35.584	1.00164.80	D
	ATOM 11575 O GLN D 97	31.590 -11.584 -28.697	1.00200.84	D	ATOM 11650 O LYS D 107	28.391 -0.803 -35.583	1.00163.93	D
80	ATOM 11576 N ARG D 98	32.012 -11.402 -30.908	1.00200.84	D	ATOM 11651 N PRO D 108	28.784 1.372 -36.022	1.00 99.29	D
	ATOM 11577 CA ARG D 98	30.953 -12.314 -31.343	1.00200.84	D	ATOM 11652 CD PRO D 108	28.389 2.772 -36.272	1.00 98.21	D
	ATOM 11578 CB ARG D 98	31.034 -13.627 -30.546	1.00190.78	D	ATOM 11653 CA PRO D 108	30.143 1.128 -36.505	1.00 98.03	D
	ATOM 11579 CG ARG D 98	29.885 -14.600 -30.775	1.00190.78	D	ATOM 11654 CB PRO D 108	30.399 2.331 -37.399	1.00 97.36	D
	ATOM 11580 CD ARG D 98	29.827 -15.104 -32.205	1.00190.78	D	ATOM 11655 CG PRO D 108	29.702 3.424 -36.658	1.00 94.74	D

65251/C766

1	ATOM 11656 C PRO D 108	31.125	1.062	-35.333	1.00	97.26	D	ATOM 11741 C VAL D 118	64.902	-0.658	-31.150	1.00	38.78	D
	ATOM 11657 O PRO D 108	30.834	1.559	-34.244	1.00	95.44	D	ATOM 11742 O VAL D 118	64.867	-1.630	-30.425	1.00	42.73	D
	ATOM 11658 N TRP D 109	32.281	0.442	-35.557	1.00	81.24	D	ATOM 11743 N PHE D 119	65.550	-0.659	-32.313	1.00	35.34	D
	ATOM 11659 CA TRP D 109	33.300	0.335	-34.517	1.00	78.69	D	ATOM 11744 CA PHE D 119	66.227	-1.852	-32.815	1.00	36.65	D
	ATOM 11660 CB TRP D 109	33.378	-1.090	-33.965	1.00	96.45	D	ATOM 11745 CB PHE D 119	65.311	-2.603	-33.786	1.00	39.00	D
5	ATOM 11661 CG TRP D 109	33.603	-2.142	-35.004	1.00	96.14	D	ATOM 11746 CG PHE D 119	64.041	-3.082	-33.169	1.00	36.60	D
	ATOM 11662 CD2 TRP D 109	34.859	-2.543	-35.568	1.00	95.15	D	ATOM 11747 CD1 PHE D 119	62.953	-2.236	-33.030	1.00	34.79	D
	ATOM 11663 CE2 TRP D 109	34.589	-3.576	-36.493	1.00	94.40	D	ATOM 11748 CD2 PHE D 119	63.940	-4.381	-32.686	1.00	35.28	D
	ATOM 11664 CE3 TRP D 109	36.185	-2.131	-35.382	1.00	95.25	D	ATOM 11749 CE1 PHE D 119	61.774	-2.684	-32.410	1.00	35.86	D
	ATOM 11665 CD1 TRP D 109	32.653	-2.922	-35.596	1.00	93.24	D	ATOM 11750 CE2 PHE D 119	62.776	-4.842	-32.067	1.00	36.09	D
10	ATOM 11666 NE1 TRP D 109	33.236	-3.787	-36.490	1.00	91.56	D	ATOM 11751 CZ PHE D 119	61.690	-3.996	-31.927	1.00	35.18	D
	ATOM 11667 CZ2 TRP D 109	35.596	-4.203	-37.232	1.00	90.85	D	ATOM 11752 C PHE D 119	67.561	-1.594	-33.522	1.00	37.56	D
	ATOM 11668 CZ3 TRP D 109	37.187	-2.756	-36.118	1.00	95.01	D	ATOM 11753 O PHE D 119	67.783	-0.527	-34.112	1.00	33.66	D
	ATOM 11669 CH2 TRP D 109	36.885	-3.781	-37.031	1.00	90.65	D	ATOM 11754 N GLN D 120	68.445	-2.589	-33.454	1.00	42.38	D
	ATOM 11670 C TRP D 109	34.674	0.747	-35.019	1.00	80.30	D	ATOM 11755 CA GLN D 120	69.754	-2.543	-34.102	1.00	45.75	D
15	ATOM 11671 O TRP D 109	35.026	0.525	-36.176	1.00	81.91	D	ATOM 11756 CB GLN D 120	70.722	-3.497	-33.407	1.00	68.90	D
	ATOM 11672 N TYR D 110	35.443	1.356	-34.127	1.00	77.28	D	ATOM 11757 CG GLN D 120	71.977	-2.863	-32.846	1.00	69.05	D
	ATOM 11673 CA TYR D 110	36.791	1.801	-34.439	1.00	75.92	D	ATOM 11758 CD GLN D 120	72.741	-2.072	-33.879	1.00	68.65	D
	ATOM 11674 CB TYR D 110	36.888	3.318	-34.334	1.00	68.37	D	ATOM 11759 OE1 GLN D 120	72.877	-2.502	-35.021	1.00	68.21	D
	ATOM 11675 CG TYR D 110	36.027	4.071	-35.314	1.00	71.92	D	ATOM 11760 NE2 GLN D 120	73.260	-0.912	-33.482	1.00	71.48	D
20	ATOM 11676 CD1 TYR D 110	34.646	4.131	-35.161	1.00	76.01	D	ATOM 11761 C GLN D 120	69.501	-3.050	-35.513	1.00	44.89	D
	ATOM 11677 CE1 TYR D 110	33.858	4.864	-36.048	1.00	76.33	D	ATOM 11762 O GLN D 120	69.021	-4.172	-35.674	1.00	47.59	D
	ATOM 11678 CD2 TYR D 110	36.600	4.755	-36.381	1.00	72.15	D	ATOM 11763 N LEU D 121	69.811	-2.238	-36.522	1.00	32.65	D
	ATOM 11679 CE2 TYR D 110	35.828	5.487	-37.271	1.00	77.52	D	ATOM 11764 CA LEU D 121	69.597	-2.622	-37.916	1.00	34.31	D
	ATOM 11680 CZ TYR D 110	34.461	5.541	-37.101	1.00	77.81	D	ATOM 11765 CB LEU D 121	68.544	-1.711	-38.546	1.00	31.99	D
25	ATOM 11681 OH TYR D 110	33.705	6.286	-37.979	1.00	79.01	D	ATOM 11766 CG LEU D 121	67.068	-2.140	-38.483	1.00	30.26	D
	ATOM 11682 C TYR D 110	37.772	1.158	-33.461	1.00	74.43	D	ATOM 11767 CD1 LEU D 121	66.778	-2.964	-37.261	1.00	31.65	D
	ATOM 11683 O TYR D 110	37.514	1.087	-32.257	1.00	75.62	D	ATOM 11768 CD2 LEU D 121	66.186	-0.893	-38.505	1.00	25.75	D
	ATOM 11684 N GLU D 111	38.899	0.696	-33.988	1.00	66.63	D	ATOM 11769 C LEU D 121	70.866	-2.579	-38.762	1.00	36.35	D
	ATOM 11685 CA GLU D 111	39.917	0.056	-33.165	1.00	64.65	D	ATOM 11770 O LEU D 121	71.758	-1.776	-38.492	1.00	41.62	D
30	ATOM 11686 CB GLU D 111	39.715	-1.458	-33.193	1.00	86.18	D	ATOM 11771 N GLU D 122	70.934	-3.446	-39.779	1.00	48.11	D
	ATOM 11687 CG GLU D 111	39.913	-2.114	-31.850	1.00	93.10	D	ATOM 11772 CA GLU D 122	72.071	-3.533	-40.705	1.00	49.65	D
	ATOM 11688 CD GLU D 111	38.935	-1.601	-30.811	1.00	98.07	D	ATOM 11773 CB GLU D 122	72.319	-4.971	-41.174	1.00	104.93	D
	ATOM 11689 OE1 GLU D 111	37.715	-1.734	-31.037	1.00	98.28	D	ATOM 11774 CG GLU D 122	72.642	-6.018	-40.135	1.00	107.97	D
	ATOM 11690 OE2 GLU D 111	39.380	-1.066	-29.772	1.00	105.23	D	ATOM 11775 CD GLU D 122	72.742	-7.416	-40.765	1.00	113.25	D
35	ATOM 11691 C GLU D 111	41.320	0.402	-33.673	1.00	65.23	D	ATOM 11776 OE1 GLU D 122	71.730	-7.906	-41.318	1.00	114.75	D
	ATOM 11692 O GLU D 111	41.724	-0.049	-34.739	1.00	70.59	D	ATOM 11777 OE2 GLU D 122	73.835	-8.023	-40.717	1.00	113.34	D
	ATOM 11693 N PRO D 112	42.073	1.227	-32.922	1.00	58.80	D	ATOM 11778 C GLU D 122	71.755	-2.739	-41.967	1.00	48.45	D
	ATOM 11694 CD PRO D 112	41.594	2.103	-31.836	1.00	55.96	D	ATOM 11779 O GLU D 122	70.601	-2.615	-42.363	1.00	49.64	D
	ATOM 11695 CA PRO D 112	43.426	1.616	-33.322	1.00	58.03	D	ATOM 11780 N LYS D 123	72.783	-2.220	-42.619	1.00	54.35	D
40	ATOM 11696 CB PRO D 112	43.511	3.046	-32.829	1.00	52.03	D	ATOM 11781 CA LYS D 123	72.560	-1.505	-43.865	1.00	55.20	D
	ATOM 11697 CG PRO D 112	42.822	2.942	-31.516	1.00	53.16	D	ATOM 11782 CB LYS D 123	73.883	-1.010	-44.446	1.00	62.54	D
	ATOM 11698 C PRO D 112	44.474	0.735	-32.667	1.00	55.06	D	ATOM 11783 CG LYS D 123	73.751	-0.457	-45.840	1.00	58.70	D
	ATOM 11699 O PRO D 112	44.219	0.136	-31.629	1.00	55.19	D	ATOM 11784 CD LYS D 123	75.093	-0.049	-46.395	1.00	56.37	D
	ATOM 11700 N ILE D 113	45.648	0.648	-33.280	1.00	54.92	D	ATOM 11785 CE LYS D 123	74.950	0.434	-47.827	1.00	58.10	D
45	ATOM 11701 CA ILE D 113	46.748	-0.142	-32.731	1.00	56.89	D	ATOM 11786 NZ LYS D 123	76.273	0.713	-48.462	1.00	62.11	D
	ATOM 11702 CB ILE D 113	46.866	-1.523	-33.379	1.00	44.72	D	ATOM 11787 C LYS D 123	71.925	-2.511	-44.825	1.00	56.02	D
	ATOM 11703 CG ILE D 113	48.050	-2.250	-32.775	1.00	40.74	D	ATOM 11788 O LYS D 123	72.448	-3.606	-45.025	1.00	60.78	D
	ATOM 11704 CG1 ILE D 113	45.598	-2.342	-33.159	1.00	41.78	D	ATOM 11789 N GLY D 124	70.783	-2.149	-45.393	1.00	39.30	D
	ATOM 11705 CD1 ILE D 113	45.709	-3.780	-33.704	1.00	42.26	D	ATOM 11790 CA GLY D 124	70.120	-3.041	-46.323	1.00	40.41	D
50	ATOM 11706 C ILE D 113	48.067	0.582	-32.985	1.00	61.11	D	ATOM 11791 C GLY D 124	68.888	-3.745	-45.785	1.00	41.82	D
	ATOM 11707 O ILE D 113	48.360	0.966	-34.115	1.00	64.51	D	ATOM 11792 O GLY D 124	68.132	-4.335	-46.555	1.00	42.62	D
	ATOM 11708 N TYR D 114	48.858	0.770	-31.935	1.00	53.61	D	ATOM 11793 N ASP D 125	68.673	-3.700	-44.473	1.00	47.24	D
	ATOM 11709 CA TYR D 114	50.143	1.449	-32.064	1.00	51.89	D	ATOM 11794 CA ASP D 125	67.505	-4.358	-43.895	1.00	46.03	D
	ATOM 11710 CB TYR D 114	50.230	2.636	-31.113	1.00	41.06	D	ATOM 11795 CB ASP D 125	67.512	-4.227	-42.373	1.00	68.14	D
55	ATOM 11711 CG TYR D 114	51.448	3.498	-31.341	1.00	38.92	D	ATOM 11796 CG ASP D 125	68.592	-5.064	-41.714	1.00	73.60	D
	ATOM 11712 CD1 TYR D 114	51.433	4.513	-32.298	1.00	43.21	D	ATOM 11797 OD1 ASP D 125	69.223	-5.895	-42.403	1.00	75.25	D
	ATOM 11713 CE1 TYR D 114	52.559	5.306	-32.531	1.00	42.78	D	ATOM 11798 OD2 ASP D 125	68.796	-4.893	-40.495	1.00	72.26	D
	ATOM 11714 CD2 TYR D 114	52.632	3.291	-30.611	1.00	39.09	D	ATOM 11799 C ASP D 125	66.194	-3.787	-44.442	1.00	45.08	D
	ATOM 11715 CE2 TYR D 114	53.766	4.074	-30.832	1.00	43.42	D	ATOM 11800 O ASP D 125	66.105	-2.599	-44.771	1.00	41.99	D
60	ATOM 11716 CZ TYR D 114	53.723	5.080	-31.796	1.00	43.50	D	ATOM 11801 N ARG D 126	65.183	-4.645	-44.533	1.00	56.90	D
	ATOM 11717 OH TYR D 114	54.847	5.849	-32.039	1.00	43.00	D	ATOM 11802 CA ARG D 126	63.870	-4.258	-45.035	1.00	52.38	D
	ATOM 11718 C TYR D 114	51.263	0.470	-31.751	1.00	51.73	D	ATOM 11803 CB ARG D 126	63.441	-5.190	-46.171	1.00	74.96	D
	ATOM 11719 O TYR D 114	51.135	-0.388	-30.881	1.00	54.64	D	ATOM 11804 CG ARG D 126	64.223	-5.065	-47.451	1.00	73.45	D
	ATOM 11720 N LEU D 115	52.365	0.612	-32.466	1.00	49.20	D	ATOM 11805 CD ARG D 126	63.856	-6.199	-48.415	1.00	78.37	D
65	ATOM 11721 CA LEU D 115	53.513	-0.263	-32.298	1.00	48.24	D	ATOM 11806 NE ARG D 126	64.301	-5.921	-49.782	1.00	81.92	D
	ATOM 11722 CB LEU D 115	53.537	-1.281	-33.436	1.00	49.22	D	ATOM 11807 CZ ARG D 126	63.681	-5.095	-50.634	1.00	85.15	D
	ATOM 11723 CG LEU D 115	53.227	-2.757	-33.194	1.00	52.47	D	ATOM 11808 NH1 ARG D 126	64.168	-4				

65251/C766

1	ATOM 11822 CB SER D 128	57.160	-5.544	-43.722	1.00	56.89	D	ATOM 11907 CD2 LEU D 138	37.967	5.440	-39.725	1.00	62.92	D
	ATOM 11823 OG SER D 128	58.273	-6.055	-44.420	1.00	62.74	D	ATOM 11908 C LEU D 138	41.206	4.346	-42.333	1.00	61.29	D
	ATOM 11824 C SER D 128	56.453	-3.852	-42.092	1.00	48.28	D	ATOM 11909 O LEU D 138	41.826	4.827	-41.387	1.00	60.44	D
	ATOM 11825 O SER D 128	56.656	-4.257	-40.953	1.00	49.56	D	ATOM 11910 N PHE D 139	41.411	4.714	-43.588	1.00	67.96	D
	ATOM 11826 N ALA D 129	55.384	-3.142	-42.434	1.00	40.32	D	ATOM 11911 CA PHE D 139	42.383	5.738	-43.916	1.00	69.34	D
5	ATOM 11827 CA ALA D 129	54.320	-2.820	-41.482	1.00	41.29	D	ATOM 11912 CB PHE D 139	43.457	5.170	-44.851	1.00	74.23	D
	ATOM 11828 CB ALA D 129	54.225	-1.299	-41.267	1.00	25.63	D	ATOM 11913 CG PHE D 139	42.916	4.327	-45.974	1.00	73.38	D
	ATOM 11829 C ALA D 129	53.057	-3.357	-42.144	1.00	40.06	D	ATOM 11914 CD1 PHE D 139	43.687	3.300	-46.513	1.00	72.91	D
	ATOM 11830 O ALA D 129	52.479	-2.699	-43.010	1.00	40.94	D	ATOM 11915 CD2 PHE D 139	41.655	4.565	-46.512	1.00	75.99	D
	ATOM 11831 N GLU D 130	52.639	-4.555	-41.748	1.00	49.08	D	ATOM 11916 CE1 PHE D 139	43.212	2.526	-47.565	1.00	77.55	D
10	ATOM 11832 CA GLU D 130	51.477	-5.191	-42.357	1.00	50.05	D	ATOM 11917 CE2 PHE D 139	41.175	3.795	-47.563	1.00	73.53	D
	ATOM 11833 CB GLU D 130	51.921	-6.499	-43.004	1.00	97.81	D	ATOM 11918 CZ PHE D 139	41.957	2.775	-48.089	1.00	77.47	D
	ATOM 11834 CG GLU D 130	52.987	-6.296	-44.059	1.00	97.35	D	ATOM 11919 C PHE D 139	41.653	6.904	-44.559	1.00	73.37	D
	ATOM 11835 CD GLU D 130	53.787	-7.552	-44.354	1.00	102.84	D	ATOM 11920 O PHE D 139	42.138	7.511	-45.510	1.00	73.47	D
	ATOM 11836 OE1 GLU D 130	54.646	-7.504	-45.266	1.00	104.21	D	ATOM 11921 N ALA D 140	40.477	7.209	-44.014	1.00	78.45	D
15	ATOM 11837 OE2 GLU D 130	53.567	-8.581	-43.676	1.00	102.65	D	ATOM 11922 CA ALA D 140	39.638	8.292	-44.518	1.00	79.75	D
	ATOM 11838 C GLU D 130	50.318	-5.455	-41.416	1.00	46.44	D	ATOM 11923 CB ALA D 140	38.194	8.072	-44.100	1.00	66.14	D
	ATOM 11839 O GLU D 130	50.482	-5.433	-40.198	1.00	46.36	D	ATOM 11924 C ALA D 140	40.088	9.661	-44.051	1.00	80.14	D
	ATOM 11840 N ILE D 131	49.142	-5.688	-41.995	1.00	61.82	D	ATOM 11925 O ALA D 140	40.151	10.597	-44.843	1.00	82.03	D
	ATOM 11841 CA ILE D 131	47.924	-5.999	-41.237	1.00	64.36	D	ATOM 11926 N GLU D 141	40.397	9.780	-42.764	1.00	109.92	D
20	ATOM 11842 CB ILE D 131	46.902	-4.846	-41.256	1.00	50.40	D	ATOM 11927 CA GLU D 141	40.813	11.059	-42.211	1.00	113.10	D
	ATOM 11843 CG2 ILE D 131	47.455	-3.650	-40.504	1.00	50.63	D	ATOM 11928 CB GLU D 141	40.768	11.025	-40.678	1.00	200.84	D
	ATOM 11844 CG1 ILE D 131	46.551	-4.497	-42.706	1.00	46.59	D	ATOM 11929 CG GLU D 141	41.047	12.374	-40.014	1.00	200.84	D
	ATOM 11845 CD1 ILE D 131	45.529	-3.382	-42.840	1.00	45.20	D	ATOM 11930 CD GLU D 141	42.531	12.660	-39.832	1.00	200.84	D
	ATOM 11846 C ILE D 131	47.285	-7.196	-41.914	1.00	66.25	D	ATOM 11931 OE1 GLU D 141	42.906	13.849	-39.765	1.00	200.84	D
25	ATOM 11847 O ILE D 131	47.598	-7.502	-43.058	1.00	66.97	D	ATOM 11932 OE2 GLU D 141	43.323	11.700	-39.740	1.00	200.84	D
	ATOM 11848 N ASN D 132	46.376	-7.863	-41.219	1.00	63.98	D	ATOM 11933 C GLU D 141	42.182	11.525	-42.677	1.00	115.20	D
	ATOM 11849 CA ASN D 132	45.723	-9.041	-41.773	1.00	60.98	D	ATOM 11934 O GLU D 141	42.276	12.327	-43.603	1.00	118.88	D
	ATOM 11850 CB ASN D 132	45.540	-10.077	-40.670	1.00	56.42	D	ATOM 11935 N SER D 142	43.246	11.028	-42.058	1.00	82.32	D
	ATOM 11851 CG ASN D 132	44.568	-9.618	-39.610	1.00	55.12	D	ATOM 11936 CA SER D 142	44.572	11.488	-42.445	1.00	85.31	D
30	ATOM 11852 OD1 ASN D 132	44.566	-8.458	-39.203	1.00	56.81	D	ATOM 11937 CB SER D 142	44.625	13.005	-42.306	1.00	58.12	D
	ATOM 11853 ND2 ASN D 132	43.735	-10.531	-39.148	1.00	52.95	D	ATOM 11938 OG SER D 142	45.739	13.534	-42.985	1.00	59.00	D
	ATOM 11854 C ASN D 132	44.376	-8.760	-42.445	1.00	58.63	D	ATOM 11939 C SER D 142	45.725	10.873	-41.644	1.00	86.63	D
	ATOM 11855 O ASN D 132	43.976	-9.482	-43.353	1.00	61.80	D	ATOM 11940 O SER D 142	46.428	9.966	-42.122	1.00	91.72	D
	ATOM 11856 N ARG D 133	43.677	-7.716	-42.007	1.00	67.78	D	ATOM 11941 N GLY D 143	45.938	11.384	-40.436	1.00	48.82	D
35	ATOM 11857 CA ARG D 133	42.371	-7.382	-42.575	1.00	63.37	D	ATOM 11942 CA GLY D 143	47.008	10.846	-39.621	1.00	46.29	D
	ATOM 11858 CB ARG D 133	41.289	-7.476	-41.497	1.00	93.15	D	ATOM 11943 C GLY D 143	46.556	9.632	-38.837	1.00	44.36	D
	ATOM 11859 CG ARG D 133	41.122	-8.861	-40.906	1.00	95.73	D	ATOM 11944 O GLY D 143	46.973	9.470	-37.691	1.00	46.35	D
	ATOM 11860 CD ARG D 133	40.810	-9.890	-41.987	1.00	100.97	D	ATOM 11945 N GLN D 144	45.723	8.782	-39.451	1.00	51.06	D
	ATOM 11861 NE ARG D 133	39.584	-9.576	-42.719	1.00	98.83	D	ATOM 11946 CA GLN D 144	45.185	7.575	-38.811	1.00	45.59	D

65251/C766

1	ATOM 11986 C GLY D 148	59.186	4.944	-39.006	1.00	32.96	D	ATOM 12071 CB TYR D 159	46.567	35.691	-60.532	1.00	30.87	D
	ATOM 11987 O GLY D 148	59.039	4.065	-38.150	1.00	35.57	D	ATOM 12072 CG TYR D 159	46.014	34.979	-59.327	1.00	34.43	D
	ATOM 11988 N ILE D 149	60.357	5.496	-39.294	1.00	38.11	D	ATOM 12073 CD1 TYR D 159	46.656	33.854	-58.797	1.00	34.43	D
	ATOM 11989 CA ILE D 149	61.579	5.135	-38.592	1.00	36.52	D							
	ATOM 11990 CB ILE D 149	62.301	3.925	-39.238	1.00	41.08	D	ATOM 12074 CE1 TYR D 159	46.186	33.226	-57.648	1.00	34.43	D
	ATOM 11991 CG2 ILE D 149	61.338	2.788	-39.475	1.00	41.63	D	ATOM 12075 CD2 TYR D 159	44.875	35.458	-58.677	1.00	34.43	D
	ATOM 11992 CG1 ILE D 149	62.889	4.315	-40.578	1.00	37.12	D							
	ATOM 11993 CD1 ILE D 149	63.715	3.212	-41.149	1.00	40.37	D	ATOM 12076 CE2 TYR D 159	44.390	34.836	-57.513	1.00	34.43	D
	ATOM 11994 C ILE D 149	62.527	6.322	-38.612	1.00	38.56	D	ATOM 12077 CZ TYR D 159	45.057	33.721	-57.001	1.00	34.43	D
5	ATOM 11995 O ILE D 149	62.553	7.111	-39.555	1.00	43.73	D	ATOM 12078 OH TYR D 159	44.619	33.135	-55.830	1.00	34.43	D
	ATOM 11996 N ILE D 150	63.315	6.435	-37.559	1.00	38.83	D	ATOM 12079 C TYR D 159	46.855	35.963	-62.975	1.00	38.40	D
	ATOM 11997 CA ILE D 150	64.275	7.521	-37.421	1.00	39.34	D	ATOM 12080 O TYR D 159	48.071	35.967	-63.126	1.00	38.40	D
	ATOM 11998 CB ILE D 150	63.707	8.635	-36.484	1.00	41.58	D	ATOM 12081 N THR D 160	46.050	36.708	-63.720	1.00	48.26	D
	ATOM 11999 CG2 ILE D 150	63.294	8.049	-35.141	1.00	44.88	D	ATOM 12082 CA THR D 160	46.617	37.560	-64.751	1.00	48.26	D
	ATOM 12000 CG1 ILE D 150	64.745	9.723	-36.258	1.00	39.57	D	ATOM 12083 CB THR D 160	46.580	36.843	-66.110	1.00	59.02	D
	ATOM 12001 CD1 ILE D 150	64.987	10.579	-37.457	1.00	37.58	D	ATOM 12084 OG1 THR D 160	47.219	35.568	-65.986	1.00	46.36	D
	ATOM 12002 C ILE D 150	65.543	6.915	-36.826	1.00	40.68	D							
	ATOM 12003 O ILE D 150	65.490	6.109	-35.901	1.00	39.79	D	ATOM 12085 CG2 THR D 160	47.293	37.651	-67.162	1.00	46.36	D
	ATOM 12004 N ALA D 151	66.687	7.288	-37.373	1.00	52.91	D							
	ATOM 12005 CA ALA D 151	67.959	6.777	-36.876	1.00	51.65	D	ATOM 12086 C THR D 160	45.963	38.932	-64.915	1.00	48.26	D
10	ATOM 12006 CB ALA D 151	69.031	6.933	-37.943	1.00	21.30	D	ATOM 12087 O THR D 160	44.740	39.036	-65.050	1.00	48.26	D
	ATOM 12007 C ALA D 151	68.372	7.531	-35.619	1.00	52.61	D	ATOM 12088 N VAL D 161	46.776	39.987	-64.868	1.00	38.08	D
	ATOM 12008 O ALA D 151	68.497	8.751	-35.635	1.00	54.99	D	ATOM 12089 CA VAL D 161	46.253	41.336	-65.113	1.00	38.08	D
	ATOM 12009 N LEU D 152	68.589	6.804	-34.533	1.00	73.88	D	ATOM 12090 CB VAL D 161	46.573	42.336	-63.991	1.00	53.65	D
	ATOM 12010 CA LEU D 152	68.993	7.429	-33.287	1.00	77.86	D	ATOM 12091 CG1 VAL D 161	46.174	41.764	-62.670	1.00	38.16	D
	ATOM 12011 CB LEU D 152	68.191	6.853	-32.129	1.00	65.80	D							
	ATOM 12012 CG LEU D 152	66.687	7.075	-32.250	1.00	67.05	D	ATOM 12092 CG2 VAL D 161	48.028	42.682	-64.001	1.00	38.16	D
	ATOM 12013 CD1 LEU D 152	65.972	6.430	-31.078	1.00	64.74	D							
	ATOM 12014 CD2 LEU D 152	66.398	8.557	-32.298	1.00	66.25	D	ATOM 12093 C VAL D 161	46.905	41.801	-66.418	1.00	38.08	D
	ATOM 12015 C LEU D 152	70.478	7.218	-33.041	1.00	80.71	D	ATOM 12094 O VAL D 161	48.099	41.596	-66.634	1.00	38.08	D
	ATOM 12016 O LEU D 152	71.267	8.161	-33.116	1.00	86.57	D	ATOM 12095 N THR D 162	46.109	42.396	-67.295	1.00	59.09	D
15	ATOM 12017 N ILE D 153	48.240	13.732	-61.027	1.00	42.86	D	ATOM 12096 CA THR D 162	46.604	42.851	-68.589	1.00	59.09	D
	ATOM 12018 CA ILE D 153	47.268	14.807	-60.907	1.00	42.86	D	ATOM 12097 CB THR D 162	45.952	42.059	-69.729	1.00	83.07	D
	ATOM 12019 CB ILE D 153	46.347	14.600	-59.700	1.00	34.19	D	ATOM 12098 OG1 THR D 162	45.711	40.720	-69.297	1.00	54.40	D
	ATOM 12020 CG2 ILE D 153	45.433	13.426	-59.952	1.00	30.97	D							
	ATOM 12021 CG1 ILE D 153	47.177	14.380	-58.437	1.00	30.97	D	ATOM 12099 CG2 THR D 162	46.861	42.024	-70.935	1.00	54.40	D
	ATOM 12022 CD1 ILE D 153	46.333	14.185	-57.190	1.00	30.97	D							
	ATOM 12023 C ILE D 153	47.942	16.162	-60.783	1.00	42.86	D	ATOM 12100 C THR D 162	46.291	44.324	-68.811	1.00	59.09	D
	ATOM 12024 O ILE D 153	49.101	16.268	-60.380	1.00	42.86	D	ATOM 12101 O THR D 162	45.293	44.834	-68.305	1.00	59.09	D
	ATOM 12025 N THR D 154	47.179	17.199	-61.108	1.00	43.30	D	ATOM 12102 N LEU D 163	47.146	45.008	-69.567	1.00	90.47	D
	ATOM 12026 CA THR D 154	47.672	18.569	-61.107	1.00	43.30	D	ATOM 12103 CA LEU D 163	46.918	46.413	-69.857	1.00	90.47	D
	ATOM 12027 CB THR D 154	48.093	18.935	-62.536	1.00	47.08	D	ATOM 12104 CB LEU D 163	48.210	47.100	-70.281	1.00	123.09	D
	ATOM 12028 OG1 THR D 154	49.517	18.888	-62.622	1.00	57.36	D	ATOM 12105 CG LEU D 163	48.544	48.333	-69.437	1.00	71.18	D
20	ATOM 12029 CG2 THR D 154	47.567	20.311	-62.949	1.00	57.36	D	ATOM 12106 CD1 LEU D 163	49.722	49.067	-70.060	1.00	71.18	D
	ATOM 12030 C THR D 154	46.680	19.610	-60.621	1.00	43.30	D	ATOM 12107 CD2 LEU D 163	47.346	49.253	-69.346	1.00	71.18	D
	ATOM 12031 O THR D 154	45.488	19.496	-60.868	1.00	43.30	D	ATOM 12108 C LEU D 163	45.893	46.527	-70.975	1.00	90.47	D
	ATOM 12032 N LEU D 155	47.181	20.625	-59.927	1.00	32.69	D	ATOM 12109 O LEU D 163	45.427	47.619	-71.294	1.00	90.47	D
	ATOM 12033 CA LEU D 155	46.345	21.727	-59.461	1.00	32.69	D	ATOM 12110 N LYS D 164	45.533	45.391	-71.562	1.00	184.19	D
	ATOM 12034 CB LEU D 155	46.115	21.656	-57.942	1.00	35.97	D	ATOM 12111 CA LYS D 164	44.558	45.385	-72.644	1.00	184.19	D
	ATOM 12035 CG LEU D 155	45.165	22.748	-57.412	1.00	32.55	D	ATOM 12112 CB LYS D 164	43.153	45.649	-72.092	1.00	60.51	D
	ATOM 12036 CD1 LEU D 155	43.856	22.717	-58.172	1.00	32.55	D	ATOM 12113 CG LYS D 164	42.281	44.391	-71.979	1.00	60.26	D
	ATOM 12037 CD2 LEU D 155	44.915	22.551	-55.939	1.00	32.55	D	ATOM 12114 CD LYS D 164	42.057	43.762	-73.347	1.00	60.26	D
	ATOM 12038 C LEU D 155	47.089	23.011	-59.834	1.00	32.69	D	ATOM 12115 CE LYS D 164	41.192	42.513	-73.283	1.00	60.26	D
	ATOM 12039 O LEU D 155	48.202	23.248	-59.365	1.00	32.69	D	ATOM 12116 NZ LYS D 164	40.867	41.987	-74.661	1.00	60.26	D
25	ATOM 12040 N LYS D 156	46.490	23.827	-60.694	1.00	46.47	D	ATOM 12117 C LYS D 164	44.936	46.472	-73.637	1.00	184.19	D
	ATOM 12041 CA LYS D 156	47.137	25.061	-61.128	1.00	46.47	D	ATOM 12118 O LYS D 164	46.080	46.927	-73.653	1.00	184.19	D
	ATOM 12042 CB LYS D 156	47.555	24.944	-62.595	1.00	56.95	D	ATOM 12119 N ASP D 165	43.986	46.883	-74.472	1.00	200.84	D
	ATOM 12043 CG LYS D 156	48.331	26.159	-63.083	1.00	59.14	D	ATOM 12120 CA ASP D 165	44.258	47.940	-75.435	1.00	200.84	D
	ATOM 12044 CD LYS D 156	48.757	26.061	-64.544	1.00	59.14	D	ATOM 12121 CB ASP D 165	43.041	48.175	-76.345	1.00	138.78	D
	ATOM 12045 CE LYS D 156	47.584	26.184	-65.509	1.00	59.14	D	ATOM 12122 CG ASP D 165	41.740	48.305	-75.569	1.00	138.78	D
	ATOM 12046 NZ LYS D 156	48.032	26.202	-66.939	1.00	59.14	D	ATOM 12123 OD1 ASP D 165	41.601	49.283	-74.798	1.00	138.78	D
	ATOM 12047 C LYS D 156	46.289	26.321	-60.960	1.00	46.47	D							
	ATOM 12048 O LYS D 156	45.131	26.352	-61.354	1.00	46.47	D	ATOM 12124 OD2 ASP D 165	40.860	47.424	-75.732	1.00	138.78	D
	ATOM 12049 N TYR D 157	46.882	27.357	-60.376	1.00	45.11	D							
	ATOM 12050 CA TYR D 157	46.222	28.646	-60.165	1.00	45.11	D	ATOM 12125 C ASP D 165	44.583	49.190	-74.628	1.00	200.84	D
30	ATOM 12051 CB TYR D 157	46.320	29.069	-58.695	1.00	43.96	D	ATOM 12126 O ASP D 165	45.362	49.135	-73.676	1.00	200.84	D
	ATOM 12052 CG TYR D 157	45.398	28.327	-57.754	1.00	26.30	D	ATOM 12127 N ASP D 166	43.988	50.318	-74.983	1.00	102.07	D
	ATOM 12053 CD1 TYR D 157	44.605	27.267	-58.201	1.00	26.30	D	ATOM 12128 CA ASP D 166	44.271	51.527	-74.234	1.00	102.07	D
	ATOM 12054 CE1 TYR D 157	43.739	26.590	-57.335	1.00	26.30	D	ATOM 12129 CB ASP D 166	44.336	52.722	-75.184	1.00	200.84	D
	ATOM 12055 CD2 TYR D 157	45.305	28.692	-56.413	1.00	26.30	D	ATOM 12130 CG ASP D 166	45.497	52.622	-76.157	1.00	200.84	D
	ATOM 12056 CE2 TYR D 157	44.436	28.022	-55.535	1.00	26.30	D	ATOM 12131 OD1 ASP D 166	45.532	51.651	-76.943	1.00	200.84	D
	ATOM 12057 CZ TYR D 157	43.660	26.974	-56.010	1.00	26.30	D							
	ATOM 12058 OH TYR D 157	42.817	26.311	-55.153	1.00	26.30	D	ATOM 12132 OD2 ASP D 166	46.377	53.508	-76.130	1.00	200.84	D
	ATOM 12059 C TYR D 157	46.935	29.679	-61.051	1.00	45.11	D							
	ATOM 12060 O TYR D 157	48.173	29.804	-61.019	1.00	45.11	D	ATOM 12133 C ASP D 166	43.280	51.788	-73.097	1.00	102.07	D
	ATOM 12061 N ASN D 158	46.156	30.417	-61.840	1.00	38.49	D	ATOM 12134 O ASP D 166	42.066	51.910	-73.317	1.00	102.07	D
	ATOM 12062 CA ASN D 158	46.706	31.417	-62.751	1.00	38.49	D	ATOM 12135 N GLY D 167	43.812	51.842	-71.874	1.00	71.33	D
35	ATOM 12063 CB ASN D 158	46.529	30.934	-64.208	1.00	30.54	D	ATOM 12136 CA GLY D 167	42.978	52.120	-70.726	1.00	71.33	D
	ATOM 12064 CG ASN D 158	47.118	31.899	-65.248	1.00	41.24	D	ATOM 12137 C GLY D 167						

65251/C766

1	ATOM 12144	CD2 LEU D 168	39.863	51.912	-67.403	1.00	63.06	D	ATOM 12229	C TYR D 177	42.802	19.670	-63.022	1.00	28.41	D	
	ATOM 12145	C LEU D 168	42.964	48.629	-67.813	1.00	45.34	D	ATOM 12230	O TYR D 177	41.898	19.430	-63.808	1.00	28.41	D	
	ATOM 12146	O LEU D 168	43.505	48.208	-68.833	1.00	45.34	D	ATOM 12231	N ASN D 178	44.036	19.212	-63.200	1.00	46.18	D	
	ATOM 12147	N TYR D 169	43.062	48.025	-66.638	1.00	43.74	D	ATOM 12232	CA ASN D 178	44.381	18.459	-64.397	1.00	46.18	D	
	ATOM 12148	CA TYR D 169	43.800	46.787	-66.471	1.00	43.74	D	ATOM 12233	CB ASN D 178	43.535	17.201	-64.553	1.00	47.19	D	
5	ATOM 12149	CB TYR D 169	44.744	46.878	-65.273	1.00	58.05	D	ATOM 12234	CG ASN D 178	43.958	16.090	-63.616	1.00	39.66	D	
	ATOM 12150	CG TYR D 169	45.911	47.813	-65.455	1.00	58.05	D	ATOM 12235	OD1 ASN D 178	45.007	16.167	-62.961	1.00	39.66	D	
	ATOM 12151	CD1 TYR D 169	45.747	49.191	-65.358	1.00	58.05	D	D	ATOM 12236	ND2 ASN D 178	43.147	15.035	-63.556	1.00	39.66	D
	ATOM 12152	CE1 TYR D 169	46.821	50.051	-65.528	1.00	58.05	D	D	ATOM 12237	C ASN D 178	44.032	19.433	-65.500	1.00	46.18	D
	ATOM 12153	CD2 TYR D 169	47.187	47.313	-65.729	1.00	58.05	D	ATOM 12238	O ASN D 178	44.343	20.618	-65.395	1.00	46.18	D	
10	ATOM 12154	CE2 TYR D 169	48.270	48.159	-65.901	1.00	58.05	D	ATOM 12239	N ASP D 179	43.379	18.958	-66.552	1.00	35.34	D	
	ATOM 12155	CZ TYR D 169	48.084	49.530	-65.800	1.00	58.05	D	ATOM 12240	CA ASP D 179	43.002	19.864	-67.629	1.00	35.34	D	
	ATOM 12156	OH TYR D 169	49.173	50.360	-65.970	1.00	58.05	D	ATOM 12241	CB ASP D 179	43.185	19.192	-69.004	1.00	35.01	D	
	ATOM 12157	C TYR D 169	42.782	45.677	-66.225	1.00	43.74	D	ATOM 12242	CG ASP D 179	42.475	17.855	-69.123	1.00	38.96	D	
	ATOM 12158	O TYR D 169	41.989	45.757	-65.288	1.00	43.74	D	ATOM 12243	OD1 ASP D 179	41.787	17.431	-68.170	1.00	38.96	D	
15	ATOM 12159	N ASP D 170	42.783	44.656	-67.073	1.00	45.52	D	ATOM 12244	OD2 ASP D 179	42.611	17.216	-70.189	1.00	38.96	D	
	ATOM 12160	CA ASP D 170	41.852	43.564	-66.880	1.00	45.52	D	ATOM 12245	C ASP D 179	41.571	20.376	-67.474	1.00	35.34	D	
	ATOM 12161	CB ASP D 170	41.498	42.905	-68.211	1.00	72.94	D	ATOM 12246	O ASP D 179	41.023	20.957	-68.389	1.00	35.34	D	
	ATOM 12162	CG ASP D 170	40.239	43.477	-68.824	1.00	72.94	D	ATOM 12247	N GLN D 180	40.984	20.170	-66.298	1.00	41.96	D	
	ATOM 12163	OD1 ASP D 170	39.308	43.795	-68.052	1.00	72.94	D	ATOM 12248	CA GLN D 180	39.614	20.587	-66.017	1.00	41.96	D	
20	ATOM 12164	OD2 ASP D 170	40.182	43.588	-70.071	1.00	72.94	D	ATOM 12249	CB GLN D 180	38.947	19.570	-65.094	1.00	58.83	D	
	ATOM 12165	C ASP D 170	42.467	42.531	-65.962	1.00	45.52	D	ATOM 12250	CG GLN D 180	38.991	18.155	-65.579	1.00	50.46	D	
	ATOM 12166	O ASP D 170	43.688	42.423	-65.866	1.00	45.52	D	ATOM 12251	CD GLN D 180	38.333	18.004	-66.921	1.00	50.46	D	
	ATOM 12167	N GLY D 171	41.623	41.776	-65.273	1.00	47.44	D	ATOM 12252	OE1 GLN D 180	39.000	17.914	-67.946	1.00	50.46	D	
	ATOM 12168	CA GLY D 171	42.140	40.748	-64.394	1.00	47.44	D	ATOM 12253	NE2 GLN D 180	37.011	17.987	-66.926	1.00	50.46	D	
25	ATOM 12169	C GLY D 171	41.335	39.468	-64.499	1.00	47.44	D	D	ATOM 12254	C GLN D 180	39.471	21.972	-65.368	1.00	41.96	D
	ATOM 12170	O GLY D 171	40.101	39.511	-64.525	1.00	47.44	D	ATOM 12255	O GLN D 180	39.978	22.209	-64.270	1.00	41.96	D	
	ATOM 12171	N VAL D 172	42.026	38.332	-64.596	1.00	37.44	D	ATOM 12256	N LEU D 181	38.759	22.876	-66.033	1.00	37.16	D	
	ATOM 12172	CA VAL D 172	41.368	37.030	-64.650	1.00	37.44	D	ATOM 12257	CA LEU D 181	38.531	24.200	-65.476	1.00	37.16	D	
	ATOM 12173	CB VAL D 172	41.360	36.387	-66.040	1.00	64.69	D	ATOM 12258	CB LEU D 181	37.873	25.113	-66.504	1.00	52.14	D	
30	ATOM 12174	CG1 VAL D 172	40.191	36.883	-66.815	1.00	56.70	D	ATOM 12259	CG LEU D 181	37.491	26.485	-65.942	1.00	39.57	D	
	ATOM 12175	CG2 VAL D 172	42.656	36.667	-66.758	1.00	56.70	D	ATOM 12260	CD1 LEU D 181	38.735	27.233	-65.458	1.00	39.57	D	
	ATOM 12176	C VAL D 172	42.110	36.070	-63.769	1.00	37.44	D	ATOM 12261	CD2 LEU D 181	36.756	27.283	-67.005	1.00	39.57	D	
	ATOM 12177	O VAL D 172	43.299	36.241	-63.502	1.00	37.44	D	ATOM 12262	C LEU D 181	37.621	24.047	-64.262	1.00	37.16	D	
	ATOM 12178	N PHE D 173	41.391	35.041	-63.343	1.00	38.86	D	ATOM 12263	O LEU D 181	36.590	23.401	-64.341	1.00	37.16	D	
35	ATOM 12179	CA PHE D 173	41.936	34.000	-62.516	1.00	38.86	D	ATOM 12264	N VAL D 182	38.010	24.638	-63.140	1.00	35.48	D	
	ATOM 12180	CB PHE D 173	41.534	34.207	-61.069	1.00	62.44	D	ATOM 12265	CA VAL D 182	37.225	24.531	-61.919	1.00	35.48	D	
	ATOM 12181	CG PHE D 173	41.807	33.020	-60.225	1.00	44.26	D	ATOM 12266	CB VAL D 182	38.103	24.099	-60.726	1.00	50.96	D	
	ATOM 12182	CD1 PHE D 173	43.108	32.713	-59.841	1.00	44.26	D	ATOM 12267	CG1 VAL D 182	37.268	24.068	-59.461	1.00	29.44	D	
	ATOM 12183	CD2 PHE D 173	40.782	32.136	-59.903	1.00	44.26	D	ATOM 12268	CG2 VAL D 182	38.719	22.719	-60.995	1.00	29.44	D	
40	ATOM 12184	CE1 PHE D 173	43.387	31.543	-59.159	1.00	44.26	D	D	ATOM 12269	C VAL D 182	36.577	25.850	-61.574	1.00	35.48	D
	ATOM 12185	CE2 PHE D 173	41.049	30.955	-59.217	1.00	44.26	D	ATOM 12270	O VAL D 182	35.422	25.890	-61.154	1.00	35.48	D	
	ATOM 12186	CZ PHE D 173	42.353	30.655	-58.845	1.00	44.26	D	ATOM 12271	N THR D 183	37.327	26.933	-61.756	1.00	40.82	D	
	ATOM 12187	C PHE D 173	41.377	32.679	-62.985	1.00	38.86	D	ATOM 12272	CA THR D 183	36.839	28.268	-61.438	1.00	40.82	D	
	ATOM 12188	O PHE D 173	40.181	32.575	-63.246	1.00	38.86	D	ATOM 12273	CB THR D 183	37.199	28.664	-59.994	1.00	54.92	D	
45	ATOM 12189	N TYR D 174	42.235	31.671	-63.098	1.00	38.88	D	ATOM 12274	OG1 THR D 183	36.506	27.820	-59.077	1.00	41.51	D	
	ATOM 12190	CA TYR D 174	41.789	30.341	-63.495	1.00	38.88	D	D	ATOM 12275	CG2 THR D 183	36.825	30.101	-59.720	1.00	41.51	D
	ATOM 12191	CB TYR D 174	42.307	29.958	-64.883	1.00	58.27	D	ATOM 12276	C THR D 183	37.435	29.333	-62.329	1.00	40.82	D	
	ATOM 12192	CG TYR D 174	41.748	30.775	-66.014	1.00	44.31	D	ATOM 12277	O THR D 183	38.618	29.284	-62.655	1.00	40.82	D	
	ATOM 12193	CD1 TYR D 174	42.526	31.749	-66.637	1.00	44.31	D	ATOM 12278	N LYS D 184	36.604	30.285	-62.737	1.00	40.43	D	
50	ATOM 12194	CE1 TYR D 174	42.020	32.523	-67.687	1.00	44.31	D	ATOM 12279	CA LYS D 184	37.088	31.410	-63.513	1.00	40.43	D	
	ATOM 12195	CD2 TYR D 174	40.435	30.585	-66.466	1.00	44.31	D	ATOM 12280	CB LYS D 184	36.581	31.400	-64.934	1.00	46.60	D	
	ATOM 12196	CE2 TYR D 174	39.914	31.356	-67.521	1.00	44.31	D	ATOM 12281	CG LYS D 184	37.062	32.626	-65.684	1.00	38.44	D	
	ATOM 12197	CZ TYR D 174	40.719	32.323	-68.124	1.00	44.31	D	ATOM 12282	CD LYS D 184	36.494	32.716	-67.082	1.00	38.44	D	
	ATOM 12198	OH TYR D 174	40.247	33.090	-69.168	1.00	44.31	D	ATOM 12283	CE LYS D 184	36.938	34.002	-67.750	1.00	38.44	D	
55	ATOM 12199	C TYR D 174	42.264	29.294	-62.496	1.00	38.88	D	ATOM 12284	NZ LYS D 184	36.327	34.169	-69.094	1.00	38.44	D	
	ATOM 12200	O TYR D 174	43.396	29.342	-62.039	1.00	38.88	D	ATOM 12285	C LYS D 184	36.574	32.663	-62.821	1.00	40.43	D	
	ATOM 12201	N ASP D 175	41.377	28.361	-62.163	1.00	39.24	D	ATOM 12286	O LYS D 184	35.403	32.750	-62.450	1.00	40.43	D	
	ATOM 12202	CA ASP D 175	41.664	27.258	-61.259	1.00	39.24	D	ATOM 12287	N ILE D 185	37.459	33.627	-62.624	1.00	53.56	D	
	ATOM 12203	CB ASP D 175	40.637	27.222	-60.122	1.00	67.75	D	ATOM 12288	CA ILE D 185	37.085	34.868	-61.975	1.00	53.56	D	
60	ATOM 12204	CG ASP D 175	40.954	26.166	-59.070	1.00	55.96	D	ATOM 12289	CB ILE D 185	37.628	34.926	-60.531	1.00	53.69	D	
	ATOM 12205	OD1 ASP D 175	41.502	25.101	-59.426	1.00	55.96	D	ATOM 12290	CG2 ILE D 185	37.491	36.341	-59.965	1.00	22.61	D	
	ATOM 12206	OD2 ASP D 175	40.638	26.393	-57.881	1.00	55.96	D	ATOM 12291	CG1 ILE D 185	36.877	33.916	-59.654	1.00	22.61	D	

65251/C766

1	ATOM 12305	CD1 TYR D 187	38.743	43.903	-60.390	1.00	43.52	D	ATOM 12390	CG ASN D 197	33.585	35.429	-64.910	1.00	48.10	D
	ATOM 12306	CE1 TYR D 187	38.664	45.088	-59.670	1.00	43.52	D	ATOM 12391	OD1 ASN D 197	32.908	36.357	-64.462	1.00	48.10	D
	ATOM 12307	CD2 TYR D 187	38.740	45.131	-62.435	1.00	43.52	D								
	ATOM 12308	CE2 TYR D 187	38.660	46.322	-61.725	1.00	43.52	D	ATOM 12392	ND2 ASN D 197	34.881	35.553	-65.181	1.00	48.10	D
	ATOM 12309	CZ TYR D 187	38.625	46.293	-60.340	1.00	43.52	D								
5	ATOM 12310	OH TYR D 187	38.572	47.467	-59.622	1.00	43.52	D	ATOM 12393	C ASN D 197	31.812	32.102	-64.260	1.00	46.78	D
	ATOM 12311	C TYR D 187	36.504	42.621	-63.160	1.00	48.86	D	ATOM 12394	O ASN D 197	30.800	31.774	-64.860	1.00	46.78	D
	ATOM 12312	O TYR D 187	36.583	42.949	-64.347	1.00	48.86	D	ATOM 12395	N PHE D 198	32.689	31.227	-63.785	1.00	41.56	D
	ATOM 12313	N ASN D 188	35.480	42.939	-62.386	1.00	47.79	D	ATOM 12396	CA PHE D 198	32.506	29.804	-63.976	1.00	41.56	D
	ATOM 12314	CA ASN D 188	34.343	43.709	-62.862	1.00	47.79	D	ATOM 12397	CB PHE D 198	33.380	29.327	-65.126	1.00	35.64	D
10	ATOM 12315	CB ASN D 188	33.136	43.361	-62.008	1.00	184.83	D	ATOM 12398	CG PHE D 198	33.228	27.882	-65.429	1.00	35.64	D
	ATOM 12316	CG ASN D 188	31.912	44.090	-62.427	1.00	45.86	D	ATOM 12399	CD1 PHE D 198	32.295	27.450	-66.353	1.00	35.64	D
	ATOM 12317	OD1 ASN D 188	31.928	45.298	-62.590	1.00	45.86	D	ATOM 12400	CD2 PHE D 198	33.987	26.940	-64.751	1.00	35.64	D
	ATOM 12318	ND2 ASN D 188	30.833	43.367	-62.606	1.00	45.86	D	ATOM 12401	CE1 PHE D 198	32.115	26.094	-66.594	1.00	35.64	D
	ATOM 12319	C ASN D 188	34.659	45.216	-62.745	1.00	47.79	D	ATOM 12402	CE2 PHE D 198	33.811	25.577	-64.989	1.00	35.64	D
15	ATOM 12320	O ASN D 188	34.754	45.751	-61.636	1.00	47.79	D	ATOM 12403	CZ PHE D 198	32.875	25.156	-65.908	1.00	35.64	D
	ATOM 12321	N HIS D 189	34.816	45.905	-63.876	1.00	42.42	D	ATOM 12404	C PHE D 198	32.862	29.010	-62.743	1.00	41.56	D
	ATOM 12322	CA HIS D 189	35.148	47.326	-63.848	1.00	42.42	D	ATOM 12405	O PHE D 198	33.786	29.369	-62.009	1.00	41.56	D
	ATOM 12323	CB HIS D 189	35.568	47.765	-65.233	1.00	97.40	D	ATOM 12406	N ARG D 199	32.121	27.929	-62.524	1.00	43.89	D
	ATOM 12324	CG HIS D 189	36.906	47.243	-65.614	1.00	57.94	D	ATOM 12407	CA ARG D 199	32.376	27.038	-61.411	1.00	43.89	D
20	ATOM 12325	CD2 HIS D 189	37.266	46.181	-66.371	1.00	57.94	D	ATOM 12408	CB ARG D 199	31.590	27.453	-60.177	1.00	48.28	D
	ATOM 12326	ND1 HIS D 189	38.075	47.787	-65.132	1.00	57.94	D	ATOM 12409	CG ARG D 199	31.829	26.507	-59.033	1.00	48.28	D
	ATOM 12327	CE1 HIS D 189	39.100	47.083	-65.579	1.00	57.94	D	ATOM 12410	CD ARG D 199	33.203	26.721	-58.427	1.00	48.28	D
	ATOM 12328	NE2 HIS D 189	38.636	46.102	-66.333	1.00	57.94	D	ATOM 12411	NE ARG D 199	33.077	27.527	-57.223	1.00	48.28	D
	ATOM 12329	C HIS D 189	34.060	48.234	-63.303	1.00	42.42	D	ATOM 12412	CZ ARG D 199	33.942	28.456	-56.856	1.00	48.28	D
25	ATOM 12330	O HIS D 189	34.347	49.293	-62.759	1.00	42.42	D	ATOM 12413	NH1 ARG D 199	35.001	28.695	-57.605	1.00	48.28	D
	ATOM 12331	N GLU D 190	32.811	47.813	-63.444	1.00	66.35	D								
	ATOM 12332	CA GLU D 190	31.681	48.591	-62.962	1.00	66.35	D	ATOM 12414	NH2 ARG D 199	33.742	29.162	-55.747	1.00	48.28	D
	ATOM 12333	CB GLU D 190	30.389	47.992	-63.515	1.00	122.49	D								
	ATOM 12334	CG GLU D 190	29.219	48.938	-63.578	1.00	96.91	D	ATOM 12415	C ARG D 199	31.964	25.637	-61.836	1.00	43.89	D
30	ATOM 12335	CD GLU D 190	28.018	48.300	-64.246	1.00	96.91	D	ATOM 12416	O ARG D 199	30.810	25.402	-62.163	1.00	43.89	D
	ATOM 12336	OE1 GLU D 190	27.470	47.333	-63.676	1.00	96.91	D	ATOM 12417	N ALA D 200	32.909	24.709	-61.851	1.00	42.10	D
	ATOM 12337	OE2 GLU D 190	27.627	48.754	-65.347	1.00	96.91	D	ATOM 12418	CA ALA D 200	32.597	23.341	-62.236	1.00	42.10	D
	ATOM 12338	C GLU D 190	31.694	48.521	-61.432	1.00	66.35	D	ATOM 12419	CB ALA D 200	33.857	22.471	-62.167	1.00	53.77	D
	ATOM 12339	O GLU D 190	31.738	49.530	-60.746	1.00	66.35	D	ATOM 12420	C ALA D 200	31.506	22.775	-61.319	1.00	42.10	D
35	ATOM 12340	N THR D 191	31.688	47.308	-60.907	1.00	51.53	D	ATOM 12421	O ALA D 200	31.538	22.951	-60.098	1.00	42.10	D
	ATOM 12341	CA THR D 191	31.690	47.056	-59.472	1.00	51.53	D	ATOM 12422	N ASP D 201	30.539	22.099	-61.928	1.00	47.43	D
	ATOM 12342	CB THR D 191	31.247	45.631	-59.193	1.00	64.06	D	ATOM 12423	CA ASP D 201	29.422	21.493	-61.218	1.00	47.43	D
	ATOM 12343	OG1 THR D 191	29.907	45.459	-59.649	1.00	64.06	D	ATOM 12424	CB ASP D 201	28.494	20.822	-62.229	1.00	101.04	D
	ATOM 12344	CG2 THR D 191	31.283	45.348	-57.737	1.00	64.06	D	ATOM 12425	CG ASP D 201	29.249	19.906	-63.193	1.00	101.04	D
40	ATOM 12345	C THR D 191	33.030	47.264	-58.765	1.00	51.53	D	ATOM 12426	OD1 ASP D 201	30.037	20.431	-64.016	1.00	101.04	D
	ATOM 12346	O THR D 191	33.069	47.570	-57.578	1.00	51.53	D								
	ATOM 12347	N ARG D 192	34.131	47.071	-59.480	1.00	72.64	D	ATOM 12427	OD2 ASP D 201	29.062	18.665	-63.124	1.00	101.04	D
	ATOM 12348	CA ARG D 192	35.469	47.248	-58.909	1.00	72.64	D								
	ATOM 12349	CB ARG D 192	35.559	48.578	-58.152	1.00	131.19	D	ATOM 12428	C ASP D 201	29.842	20.465	-60.166	1.00	47.43	D
45	ATOM 12350	CG ARG D 192	35.435	49.792	-59.047	1.00	131.19	D	ATOM 12429	O ASP D 201	29.140	20.279	-59.178	1.00	47.43	D
	ATOM 12351	CD ARG D 192	36.501	49.764	-60.142	1.00	131.19	D	ATOM 12430	N TRP D 202	30.977	19.801	-60.368	1.00	53.49	D
	ATOM 12352	NE ARG D 192	36.301	50.808	-61.145	1.00	131.19	D	ATOM 12431	CA TRP D 202	31.426	18.780	-59.428	1.00	53.49	D
	ATOM 12353	CZ ARG D 192	36.372	52.113	-60.895	1.00	131.19	D	ATOM 12432	CB TRP D 202	32.245	17.713	-60.154	1.00	41.10	D
	ATOM 12354	NH1 ARG D 192	36.641	52.547	-59.670	1.00	131.19	D	ATOM 12433	CG TRP D 202	33.402	18.243	-60.956	1.00	41.10	D
50	ATOM 12355	NH2 ARG D 192	36.166	52.987	-61.871	1.00	131.19	D	ATOM 12434	CD2 TRP D 202	34.734	18.482	-60.487	1.00	41.10	D
	ATOM 12356	C ARG D 192	35.943	46.103	-58.008	1.00	72.64	D	ATOM 12435	CE2 TRP D 202	35.489	18.926	-61.591	1.00	41.10	D
	ATOM 12357	O ARG D 192	36.728	46.310	-57.092	1.00	72.64	D	ATOM 12436	CE3 TRP D 202	35.362	18.360	-59.239	1.00	41.10	D
	ATOM 12358	N HIS D 193	35.457	44.896	-58.278	1.00	57.71	D	ATOM 12437	CD1 TRP D 202	33.406	18.553	-62.284	1.00	41.10	D
	ATOM 12359	CA HIS D 193	35.861	43.711	-57.535	1.00	57.71	D	ATOM 12438	NE1 TRP D 202	34.653	18.958	-62.676	1.00	41.10	D
55	ATOM 12360	CB HIS D 193	35.064	43.601	-56.235	1.00	119.34	D	ATOM 12439	CZ2 TRP D 202	36.841	19.247	-61.488	1.00	41.10	D
	ATOM 12361	CG HIS D 193	33.635	43.201	-56.420	1.00	119.34	D	ATOM 12440	CZ3 TRP D 202	36.703	18.679	-59.138	1.00	41.10	D
	ATOM 12362	CD2 HIS D 193	32.984	42.620	-57.460	1.00	119.34	D	ATOM 12441	CH2 TRP D 202	37.429	19.117	-60.258	1.00	41.10	D
	ATOM 12363	ND1 HIS D 193	32.703	43.338	-55.416	1.00	119.34	D	ATOM 12442	C TRP D 202	32.233	19.267	-58.240	1.00	53.49	D
	ATOM 12364	CE1 HIS D 193	31.543	42.859	-55.829	1.00	119.34	D	ATOM 12443	O TRP D 202	32.522	18.492	-57.328	1.00	53.49	D
60	ATOM 12365	NE2 HIS D 193	31.684	42.417	-57.065	1.00	119.34	D	ATOM 12444	N PHE D 203	32.593	20.542	-58.243	1.00	41.86	D
	ATOM 12366	C HIS D 193	35.655	42.501	-58.451	1.00	57.71	D	ATOM 12445	CA PHE D 203	33.404	21.092	-57.169	1.00	41.86	D
	ATOM 12367	O HIS D 193	35.044	42.635	-59.512	1.00	57.71	D	ATOM 12446	CB PHE D 203	34.487	21.996	-57.776	1.00	40.90	D
	ATOM 12368	N GLY D 194	36.156	41.331	-58.066	1.00	37.14	D	ATOM 12447	CG PHE D 203	35.513	22.465	-56.794	1.00	40.90	D
	ATOM 12369	CA GLY D 194	36.022	40.155	-58.923	1.00	37.14	D	ATOM 12448	CD1 PHE D 203	36.429	21.570	-56.236	1.00	40.90	D
65	ATOM 12370	C GLY D 194	34.670	39.462	-58.907	1.00	37.14	D	ATOM 12449	CD2 PHE D 203	35.573	23.794	-56.427	1.00	40.90	D
	ATOM 12371	O GLY D 194	33.875	39.663	-58.000	1.00	37.14	D	ATOM 12450	CE1 PHE D 203	37.402	22.003	-55.321	1.00	40.90	D
	ATOM 12372	N ASN D 195	34.389	38.659	-59.924	1.00	40.86	D	ATOM 12451	CE2 PHE D 203	36.532	24.238	-55.517	1.00	40.90	D
	ATOM 12373	CA ASN D 195	33.131	37.931	-59.982	1.00	40.86	D	ATOM 12452	CZ PHE D 203	37.449	23.339	-54.964	1.00	40.90	D
	ATOM 12374	CB ASN D 195	32.149	38.557	-60.982	1.00	70.65	D	ATOM 12453	C PHE D 203	32.605	21.871	-56.127	1.00	41.86	D

65251/C766

1	ATOM 12467	CGI ILE D 205	35.583	26.671	-52.786	1.00	45.67	D	ATOM 12552	CE2 TYR D 216	40.433	28.790	-56.283	1.00	35.83	D
	ATOM 12468	CD1 ILE D 205	35.858	27.920	-53.580	1.00	45.67	D	ATOM 12553	CZ TYR D 216	39.061	28.860	-56.463	1.00	35.83	D
	ATOM 12469	C ILE D 205	34.116	24.534	-51.076	1.00	44.71	D	ATOM 12554	OH TYR D 216	38.365	27.734	-56.815	1.00	35.83	D
	ATOM 12470	O ILE D 205	35.110	24.818	-50.419	1.00	44.71	D	ATOM 12555	C TYR D 216	41.783	34.221	-53.810	1.00	35.96	D
	ATOM 12471	N SER D 206	32.975	24.151	-50.518	1.00	61.32	D	ATOM 12556	O TYR D 216	42.808	34.449	-54.462	1.00	35.96	D
	ATOM 12472	CA SER D 206	32.855	24.024	-49.071	1.00	61.32	D	ATOM 12557	N ASN D 217	41.332	35.042	-52.865	1.00	35.22	D
	ATOM 12473	CB SER D 206	31.386	23.972	-48.664	1.00	69.12	D	ATOM 12558	CA ASN D 217	42.012	36.298	-52.579	1.00	35.22	D
	ATOM 12474	OG SER D 206	30.751	25.198	-48.974	1.00	69.12	D	ATOM 12559	CB ASN D 217	43.379	36.041	-51.948	1.00	46.36	D
	ATOM 12475	C SER D 206	33.561	22.765	-48.593	1.00	61.32	D	ATOM 12560	CG ASN D 217	43.282	35.284	-50.644	1.00	41.09	D
5	ATOM 12476	O SER D 206	33.925	22.653	-47.430	1.00	61.32	D	ATOM 12561	OD1 ASN D 217	43.881	34.225	-50.488	1.00	41.09	D
	ATOM 12477	N ARG D 207	33.748	21.815	-49.502	1.00	54.39	D	ATOM 12562	ND2 ASN D 217	42.528	35.825	-49.698	1.00	41.09	D
	ATOM 12478	CA ARG D 207	34.418	20.576	-49.170	1.00	54.39	D	ATOM 12563	C ASN D 217	42.200	37.073	-53.875	1.00	35.22	D
	ATOM 12479	CB ARG D 207	33.808	19.422	-49.955	1.00	57.41	D	ATOM 12564	O ASN D 217	43.226	37.726	-54.071	1.00	35.22	D
	ATOM 12480	CG ARG D 207	32.455	18.996	-49.430	1.00	57.41	D	ATOM 12565	N PHE D 218	41.204	37.004	-54.756	1.00	38.93	D
	ATOM 12481	CD ARG D 207	32.233	17.514	-49.638	1.00	57.41	D	ATOM 12566	CA PHE D 218	41.290	37.684	-56.036	1.00	38.93	D
	ATOM 12482	NE ARG D 207	31.910	17.182	-51.024	1.00	57.41	D	ATOM 12567	CB PHE D 218	40.079	37.392	-56.897	1.00	39.26	D
	ATOM 12483	CZ ARG D 207	32.149	15.996	-51.587	1.00	57.41	D	ATOM 12568	CG PHE D 218	40.175	38.002	-58.244	1.00	35.78	D
	ATOM 12484	NH1 ARG D 207	32.726	15.025	-50.887	1.00	57.41	D	ATOM 12569	CD1 PHE D 218	40.853	37.348	-59.256	1.00	35.78	D
	ATOM 12485	NH2 ARG D 207	31.796	15.768	-52.847	1.00	57.41	D	ATOM 12570	CD2 PHE D 218	39.636	39.260	-58.495	1.00	35.78	D
	ATOM 12486	C ARG D 207	35.922	20.650	-49.428	1.00	54.39	D	ATOM 12571	CE1 PHE D 218	41.002	37.931	-60.521	1.00	35.78	D
10	ATOM 12487	O ARG D 207	36.614	19.635	-49.372	1.00	54.39	D	ATOM 12572	CE2 PHE D 218	39.775	39.850	-59.737	1.00	35.78	D
	ATOM 12488	N SER D 208	36.422	21.851	-49.711	1.00	47.80	D	ATOM 12573	CZ PHE D 218	40.463	39.179	-60.759	1.00	35.78	D
	ATOM 12489	CA SER D 208	37.843	22.038	-49.957	1.00	47.80	D	ATOM 12574	C PHE D 218	41.448	39.196	-55.941	1.00	38.93	D
	ATOM 12490	CB SER D 208	38.099	22.364	-51.419	1.00	56.84	D	ATOM 12575	O PHE D 218	42.332	39.769	-56.580	1.00	38.93	D
	ATOM 12491	OG SER D 208	39.497	22.448	-51.646	1.00	56.84	D	ATOM 12576	N ASN D 219	40.589	39.847	-55.166	1.00	44.93	D
	ATOM 12492	C SER D 208	38.390	23.159	-49.088	1.00	47.80	D	ATOM 12577	CA ASN D 219	40.701	41.290	-55.047	1.00	44.93	D
	ATOM 12493	O SER D 208	38.710	24.240	-49.573	1.00	47.80	D	ATOM 12578	CB ASN D 219	39.653	41.836	-54.088	1.00	45.54	D
	ATOM 12494	N PRO D 209	38.506	22.901	-47.783	1.00	42.06	D	ATOM 12579	CG ASN D 219	38.254	41.495	-54.516	1.00	37.17	D
	ATOM 12495	CD PRO D 209	38.215	21.575	-47.219	1.00	41.45	D	ATOM 12580	OD1 ASN D 219	37.940	41.481	-55.698	1.00	37.17	D
	ATOM 12496	CA PRO D 209	38.997	23.806	-46.742	1.00	42.06	D	ATOM 12581	ND2 ASN D 219	37.398	41.226	-53.551	1.00	37.17	D
	ATOM 12497	CB PRO D 209	39.194	22.883	-45.552	1.00	41.45	D	ATOM 12582	C ASN D 219	42.101	41.679	-54.583	1.00	44.93	D
15	ATOM 12498	CG PRO D 209	38.128	21.877	-45.748	1.00	41.45	D	ATOM 12583	O ASN D 219	42.707	42.617	-55.114	1.00	44.93	D
	ATOM 12499	C PRO D 209	40.283	24.525	-47.092	1.00	42.06	D	ATOM 12584	N PHE D 220	42.617	40.952	-53.596	1.00	37.66	D
	ATOM 12500	O PRO D 209	40.515	25.637	-46.624	1.00	42.06	D	ATOM 12585	CA PHE D 220	43.956	41.223	-53.091	1.00	37.66	D
	ATOM 12501	N HIS D 210	41.114	23.902	-47.923	1.00	56.59	D	ATOM 12586	CB PHE D 220	44.333	40.231	-52.010	1.00	44.26	D
	ATOM 12502	CA HIS D 210	42.392	24.498	-48.269	1.00	56.59	D	ATOM 12587	CG PHE D 220	45.792	40.258	-51.666	1.00	37.24	D
	ATOM 12503	CB HIS D 210	43.457	23.412	-48.227	1.00	59.44	D	ATOM 12588	CD1 PHE D 220	46.289	41.186	-50.761	1.00	37.24	D
	ATOM 12504	CG HIS D 210	43.624	22.812	-46.865	1.00	59.44	D	ATOM 12589	CD2 PHE D 220	46.684	39.375	-52.287	1.00	37.24	D
	ATOM 12505	CD2 HIS D 210	43.250	21.609	-46.366	1.00	59.44	D	ATOM 12590	CE1 PHE D 220	47.647	41.246	-50.476	1.00	37.24	D
	ATOM 12506	ND1 HIS D 210	44.175	23.508	-45.810	1.00	59.44	D	ATOM 12591	CE2 PHE D 220	48.051	39.424	-52.010	1.00	37.24	D
	ATOM 12507	CE1 HIS D 210	44.133	22.762	-44.720	1.00	59.44	D	ATOM 12592	CZ PHE D 220	48.532	40.365	-51.101	1.00	37.24	D
	ATOM 12508	NE2 HIS D 210	43.575	21.605	-45.030	1.00	59.44	D	ATOM 12593	C PHE D 220	45.002	41.144	-54.194	1.00	37.66	D
20	ATOM 12509	C HIS D 210	42.454	25.308	-49.561	1.00	56.59	D	ATOM 12594	O PHE D 220	45.764	42.075	-54.401	1.00	37.66	D
	ATOM 12510	O HIS D 210	43.524	25.743	-49.986	1.00	56.59	D	ATOM 12595	N TRP D 221	45.044	40.021	-54.895	1.00	37.42	D
	ATOM 12511	N THR D 211	41.303	25.516	-50.186	1.00	40.27	D	ATOM 12596	CA TRP D 221	46.014	39.842	-55.966	1.00	37.42	D
	ATOM 12512	CA THR D 211	41.243	26.342	-51.375	1.00	40.27	D	ATOM 12597	CB TRP D 221	45.990	38.388	-56.461	1.00	47.13	D
	ATOM 12513	CB THR D 211	40.021	26.005	-52.238	1.00	50.51	D	ATOM 12598	CG TRP D 221	46.606	37.431	-55.485	1.00	40.28	D
	ATOM 12514	OG1 THR D 211	40.121	24.649	-52.691	1.00	50.51	D	ATOM 12599	CD2 TRP D 221	47.963	37.437	-55.031	1.00	40.28	D
	ATOM 12515	CG2 THR D 211	39.949	26.935	-53.439	1.00	50.51	D	ATOM 12600	CE2 TRP D 221	48.090	36.407	-54.080	1.00	40.28	D
	ATOM 12516	C THR D 211	41.051	27.716	-50.757	1.00	40.27	D	ATOM 12601	CE3 TRP D 221	49.086	38.218	-55.338	1.00	40.28	D
	ATOM 12517	O THR D 211	40.146	27.903	-49.938	1.00	40.27	D	ATOM 12602	CD1 TRP D 221	45.982	36.422	-54.811	1.00	40.28	D
	ATOM 12518	N PRO D 212	41.901	28.690	-51.119	1.00	49.43	D	ATOM 12603	NE1 TRP D 221	46.866	35.804	-53.963	1.00	40.28	D
25	ATOM 12519	CD PRO D 212	42.946	28.558	-52.147	1.00	47.28	D	ATOM 12604	CZ2 TRP D 221	49.297	36.133	-53.429	1.00	40.28	D
	ATOM 12520	CA PRO D 212	41.846	30.067	-50.600	1.00	49.43	D	ATOM 12605	CZ3 TRP D 221	50.290	37.943	-54.689	1.00	40.28	D
	ATOM 12521	CB PRO D 212	42.797	30.815	-51.522	1.00	47.28	D	ATOM 12606	CH2 TRP D 221	50.383	36.909	-53.744	1.00	40.28	D
	ATOM 12522	CG PRO D 212	43.799	29.768	-51.878	1.00	47.28	D	ATOM 12607	C TRP D 221	45.820	40.802	-57.143	1.00	37.42	D
	ATOM 12523	C PRO D 212	40.449	30.709	-50.569	1.00	49.43	D	ATOM 12608	O TRP D 221	46.776	41.423	-57.623	1.00	37.42	D
	ATOM 12524	O PRO D 212	39.662	30.550	-51.505	1.00	49.43	D	ATOM 12609	N TYR D 222	44.587	40.934	-57.613	1.00	44.04	D
	ATOM 12525	N GLY D 213	40.148	31.439	-49.496	1.00	42.92	D	ATOM 12610	CA TYR D 222	44.335	41.816	-58.740	1.00	44.04	D
	ATOM 12526	CA GLY D 213	38.852	32.095	-49.369	1.00	42.92	D	ATOM 12611	CB TYR D 222	42.832	41.993	-58.958	1.00	40.57	D
	ATOM 12527	C GLY D 213	38.814	33.432	-50.079	1.00	42.92	D	ATOM 12612	CG TYR D 222	42.536	43.079	-59.949	1.00	39.14	D
	ATOM 12528	O GLY D 213	39.813	33.839	-50.675	1.00	42.92	D	ATOM 12613	CD1 TYR D 222	42.697	42.856	-61.314	1.00	39.14	D
	ATOM 12529	N ASN D 214	37.680	34.126	-50.016	1.00	50.18	D	ATOM 12614	CE1 TYR D 222	42.525	43.881	-62.228	1.00	39.14	D
	ATOM 12530	CA ASN D 214	37.516	35.435	-50.684	1.00	50.18	D	ATOM 12615	CD2 TYR D 222	42.186	44.358	-59.518	1.00	39.14	D
	ATOM 12531	CB ASN D 214	38.513	36.476	-50.186	1.00150.26		D	ATOM 12616	CE2 TYR D 222	42.015	45.392	-60.425	1.00	39.14	D
	ATOM 12532	CG ASN D 214	38.804	36.317	-48.760	1.00144.43		D	ATOM 12617	CZ TYR D 222	42.187	45.146	-61.777	1.00	39.14	D
30	ATOM 12533	OD1 ASN D 214	38.093	35.583	-48.083	1.00144.43		D	ATOM 12618	OH TYR D 222	42.039	46.161	-62.683	1.00	39.14	D
	ATOM 12534	ND2 ASN D 214	39.826	37.005	-48.259	1.00144.43		D	ATOM 12619	C TYR D 222	44.966	43.175	-58.464	1.00	44.04	D
	ATOM 12535	C ASN D 214	37.780	35.247	-52.154	1.00	50.18	D	ATOM 12620	O TYR D 222	45.753	43.709	-59.245	1.00	44.04	D
	ATOM 12536	O ASN D 214	38.570	35.981	-52.744	1.00	50.18	D	ATOM 12621	N SER D 223	44.606	43.722	-57.321	1.00	43.13	D
	ATOM 12537	N ASP D 215	37.126	34.260	-52.741	1.00	41.09	D	ATOM 12622	CA SER D 223	45.096	45.013	-56.927	1.00	43.13	D
	ATOM 12538	CA ASP D														

65251/C766

1	ATOM 12631	CD1 LEU D 224	51.069	44.456	-54.151	1.00	43.93	D	ATOM 12716	NZ LYS D 234	55.307	55.091	-60.238	1.00	74.61	D
	ATOM 12632	CD2 LEU D 224	50.776	42.071	-53.431	1.00	43.93	D	ATOM 12717	C LYS D 234	59.218	52.813	-66.259	1.00	107.06	D
	ATOM 12633	C LEU D 224	49.412	43.876	-57.169	1.00	32.28	D	ATOM 12718	O LYS D 234	59.546	53.726	-67.017	1.00	107.06	D
	ATOM 12634	O LEU D 224	50.529	44.344	-57.360	1.00	32.28	D	ATOM 12719	N ASN D 235	60.020	51.785	-65.993	1.00	93.68	D
	ATOM 12635	N MET D 225	48.806	43.112	-58.066	1.00	43.93	D	ATOM 12720	CA ASN D 235	61.306	51.667	-66.677	1.00	93.68	D
5	ATOM 12636	CA MET D 225	49.459	42.822	-59.329	1.00	43.93	D	ATOM 12721	CB ASN D 235	62.215	50.636	-65.993	1.00	99.29	D
	ATOM 12637	CB MET D 225	48.827	41.604	-59.979	1.00	76.38	D	ATOM 12722	CG ASN D 235	63.510	50.387	-66.770	1.00	99.29	D
	ATOM 12638	CG MET D 225	49.120	40.335	-59.227	1.00	45.10	D	ATOM 12723	OD1 ASN D 235	63.490	50.274	-67.995	1.00	99.29	D
	ATOM 12639	SD MET D 225	48.529	38.924	-60.114	1.00	45.10	D	ATOM 12724	ND2 ASN D 235	64.627	50.275	-66.054	1.00	99.29	D
	ATOM 12640	CE MET D 225	49.558	38.970	-61.568	1.00	45.10	D	ATOM 12725	C ASN D 235	60.882	51.159	-68.053	1.00	93.68	D
10	ATOM 12641	C MET D 225	49.330	44.029	-60.237	1.00	43.93	D	ATOM 12726	O ASN D 235	60.460	50.017	-68.193	1.00	93.68	D
	ATOM 12642	O MET D 225	50.226	44.339	-61.021	1.00	43.93	D	ATOM 12727	N ASP D 236	60.983	52.011	-69.063	1.00	124.48	D
	ATOM 12643	N LYS D 226	48.200	44.716	-60.125	1.00	56.86	D	ATOM 12728	CA ASP D 236	60.559	51.652	-70.411	1.00	124.48	D
	ATOM 12644	CA LYS D 226	47.981	45.897	-60.932	1.00	56.86	D	ATOM 12729	CB ASP D 236	60.716	52.868	-71.330	1.00	135.31	D
	ATOM 12645	CB LYS D 226	46.616	46.498	-60.626	1.00	103.21	D	ATOM 12730	CG ASP D 236	59.780	52.822	-72.523	1.00	135.31	D
15	ATOM 12646	CG LYS D 226	46.309	47.738	-61.429	1.00	54.67	D	ATOM 12731	OD1 ASP D 236	59.995	51.986	-73.425	1.00	135.31	D
	ATOM 12647	CD LYS D 226	45.016	48.360	-60.960	1.00	54.67	D	ATOM 12732	OD2 ASP D 236	58.820	53.622	-72.554	1.00	135.31	D
	ATOM 12648	CE LYS D 226	44.815	49.735	-61.567	1.00	54.67	D	ATOM 12733	C ASP D 236	61.239	50.429	-71.044	1.00	124.48	D
	ATOM 12649	NZ LYS D 226	43.553	50.355	-61.070	1.00	54.67	D	ATOM 12734	O ASP D 236	60.841	49.988	-72.122	1.00	124.48	D
	ATOM 12650	C LYS D 226	49.088	46.872	-60.562	1.00	56.86	D	ATOM 12735	N SER D 237	62.251	49.873	-70.385	1.00	93.61	D
20	ATOM 12651	O LYS D 226	49.747	47.438	-61.428	1.00	56.86	D	ATOM 12736	CA SER D 237	62.940	48.707	-70.936	1.00	93.61	D
	ATOM 12652	N GLU D 227	49.303	47.043	-59.261	1.00	68.67	D	ATOM 12737	CB SER D 237	64.438	48.767	-70.615	1.00	112.89	D
	ATOM 12653	CA GLU D 227	50.337	47.944	-58.762	1.00	68.67	D	ATOM 12738	OG SER D 237	64.688	48.461	-69.254	1.00	112.89	D
	ATOM 12654	CB GLU D 227	50.395	47.898	-57.234	1.00	102.79	D	ATOM 12739	C SER D 237	62.357	47.401	-70.397	1.00	93.61	D
	ATOM 12655	CG GLU D 227	51.361	48.901	-56.632	1.00	96.59	D	ATOM 12740	O SER D 237	62.858	46.315	-70.698	1.00	93.61	D
25	ATOM 12656	CD GLU D 227	51.664	48.631	-55.166	1.00	96.59	D	ATOM 12741	N THR D 238	61.299	47.514	-69.597	1.00	101.49	D
	ATOM 12657	OE1 GLU D 227	50.712	48.499	-54.363	1.00	96.59	D	ATOM 12742	CA THR D 238	60.642	46.346	-69.015	1.00	101.49	D
	ATOM 12658	OE2 GLU D 227	52.863	48.560	-54.815	1.00	96.59	D	ATOM 12743	CB THR D 238	60.677	46.382	-67.467	1.00	104.94	D
	ATOM 12659	C GLU D 227	51.691	47.534	-59.324	1.00	68.67	D	ATOM 12744	OG1 THR D 238	61.991	46.740	-67.025	1.00	104.94	D
	ATOM 12660	O GLU D 227	52.439	48.361	-59.839	1.00	68.67	D	ATOM 12745	CG2 THR D 238	60.321	45.014	-66.889	1.00	104.94	D
30	ATOM 12661	N THR D 228	51.996	46.245	-59.230	1.00	51.96	D	ATOM 12746	C THR D 238	59.185	46.308	-69.450	1.00	101.49	D
	ATOM 12662	CA THR D 228	53.266	45.727	-59.715	1.00	51.96	D	ATOM 12747	O THR D 238	58.576	45.243	-69.491	1.00	101.49	D
	ATOM 12663	CB THR D 228	53.388	44.231	-59.428	1.00	57.77	D	ATOM 12748	N LYS D 239	58.643	47.480	-69.771	1.00	92.00	D
	ATOM 12664	OG1 THR D 228	53.268	44.015	-58.018	1.00	43.76	D	ATOM 12749	CA LYS D 239	57.256	47.629	-70.199	1.00	92.00	D
	ATOM 12665	CG2 THR D 228	54.736	43.704	-59.922	1.00	43.76	D	ATOM 12750	CB LYS D 239	57.154	48.741	-71.246	1.00	98.70	D
35	ATOM 12666	C THR D 228	53.466	45.948	-61.205	1.00	51.96	D	ATOM 12751	CG LYS D 239	55.735	49.036	-71.703	1.00	98.70	D
	ATOM 12667	O THR D 228	54.567	46.258	-61.653	1.00	51.96	D	ATOM 12752	CD LYS D 239	55.678	50.303	-72.540	1.00	98.70	D
	ATOM 12668	N LEU D 229	52.401	45.777	-61.978	1.00	61.19	D	ATOM 12753	CE LYS D 239	56.086	51.518	-71.722	1.00	98.70	D
	ATOM 12669	CA LEU D 229	52.507	45.959	-63.412	1.00	61.19	D	ATOM 12754	NZ LYS D 239	56.027	52.767	-72.527	1.00	98.70	D
	ATOM 12670	CB LEU D 229	51.217	45.510	-64.091	1.00	65.97	D	ATOM 12755	C LYS D 239	56.672	46.328	-70.748	1.00	92.00	D

65251/C766

1	ATOM 12790 O SER D 244	52.694	35.900	-62.891	1.00	41.69	D	ATOM 12875 CG PHE D 256	55.823	14.720	-53.958	1.00	30.30	D
	ATOM 12791 N LEU D 245	50.617	35.447	-62.128	1.00	55.67	D	ATOM 12876 CD1 PHE D 256	55.900	15.605	-52.896	1.00	30.30	D
	ATOM 12792 CA LEU D 245	51.064	34.770	-60.925	1.00	55.67	D	ATOM 12877 CD2 PHE D 256	56.586	13.558	-53.908	1.00	30.30	D
	ATOM 12793 CB LEU D 245	50.375	35.340	-59.694	1.00	56.98	D	ATOM 12878 CE1 PHE D 256	56.709	15.334	-51.802	1.00	30.30	D
	ATOM 12794 CG LEU D 245	50.743	34.586	-58.416	1.00	40.97	D	ATOM 12879 CE2 PHE D 256	57.399	13.286	-52.816	1.00	30.30	D
	ATOM 12795 CD1 LEU D 245	52.244	34.611	-58.217	1.00	40.97	D	ATOM 12880 CZ PHE D 256	57.455	14.175	-51.766	1.00	30.30	D
	ATOM 12796 CD2 LEU D 245	50.029	35.212	-57.228	1.00	40.97	D	ATOM 12881 C PHE D 256	56.285	16.916	-55.878	1.00	39.83	D
	ATOM 12797 C LEU D 245	50.688	33.295	-61.115	1.00	55.67	D	ATOM 12882 O PHE D 256	57.410	16.881	-55.395	1.00	39.83	D
	ATOM 12798 O LEU D 245	49.512	32.936	-61.098	1.00	55.67	D	ATOM 12883 N GLY D 257	55.608	18.043	-56.054	1.00	39.69	D
5	ATOM 12799 N ILE D 246	51.691	32.450	-61.336	1.00	36.75	D	ATOM 12884 CA GLY D 257	56.185	19.314	-55.665	1.00	39.69	D
	ATOM 12800 CA ILE D 246	51.471	31.024	-61.543	1.00	36.75	D	ATOM 12885 C GLY D 257	55.191	20.438	-55.828	1.00	39.69	D
	ATOM 12801 CB ILE D 246	52.313	30.504	-62.716	1.00	46.51	D	ATOM 12886 O GLY D 257	54.056	20.195	-56.217	1.00	39.69	D
	ATOM 12802 CG2 ILE D 246	51.994	29.051	-62.986	1.00	29.55	D	ATOM 12887 N SER D 258	55.610	21.662	-55.529	1.00	39.84	D
	ATOM 12803 CG1 ILE D 246	52.023	31.328	-63.973	1.00	29.55	D	ATOM 12888 CA SER D 258	54.740	22.824	-55.659	1.00	39.84	D
	ATOM 12804 CD1 ILE D 246	50.579	31.358	-64.358	1.00	29.55	D	ATOM 12889 CB SER D 258	54.186	23.233	-54.299	1.00	28.76	D
	ATOM 12805 C ILE D 246	51.863	30.255	-60.296	1.00	36.75	D	ATOM 12890 OG SER D 258	55.207	23.767	-53.469	1.00	38.88	D
	ATOM 12806 O ILE D 246	53.020	30.283	-59.884	1.00	36.75	D	ATOM 12891 C SER D 258	55.531	23.981	-56.255	1.00	39.84	D
	ATOM 12807 N THR D 247	50.903	29.573	-59.688	1.00	34.40	D	ATOM 12892 O SER D 258	56.755	23.972	-56.248	1.00	39.84	D
	ATOM 12808 CA THR D 247	51.194	28.812	-58.487	1.00	34.40	D	ATOM 12893 N TYR D 259	54.838	24.983	-56.768	1.00	38.52	D
	ATOM 12809 CB THR D 247	50.901	29.643	-57.235	1.00	54.08	D	ATOM 12894 CA TYR D 259	55.526	26.108	-57.367	1.00	38.52	D
10	ATOM 12810 OG1 THR D 247	51.400	28.956	-56.089	1.00	51.32	D	ATOM 12895 CB TYR D 259	55.774	25.834	-58.854	1.00	44.69	D
	ATOM 12811 CG2 THR D 247	49.423	29.855	-57.063	1.00	51.32	D	ATOM 12896 CG TYR D 259	54.517	25.472	-59.587	1.00	40.44	D
	ATOM 12812 C THR D 247	50.360	27.534	-58.496	1.00	34.40	D	ATOM 12897 CD1 TYR D 259	53.625	26.457	-60.029	1.00	40.44	D
	ATOM 12813 O THR D 247	49.281	27.497	-59.080	1.00	34.40	D	ATOM 12898 CE1 TYR D 259	52.410	26.114	-60.606	1.00	40.44	D
	ATOM 12814 N GLY D 248	50.872	26.478	-57.881	1.00	43.52	D	ATOM 12899 CD2 TYR D 259	54.159	24.138	-59.756	1.00	40.44	D
	ATOM 12815 CA GLY D 248	50.145	25.225	-57.867	1.00	43.52	D	ATOM 12900 CE2 TYR D 259	52.951	23.788	-60.332	1.00	40.44	D
	ATOM 12816 C GLY D 248	51.037	24.069	-57.472	1.00	43.52	D	ATOM 12901 CZ TYR D 259	52.081	24.780	-60.748	1.00	40.44	D
	ATOM 12817 O GLY D 248	52.178	24.275	-57.079	1.00	43.52	D	ATOM 12902 OH TYR D 259	50.865	24.432	-61.271	1.00	40.44	D
	ATOM 12818 N CYS D 249	50.530	22.848	-57.574	1.00	39.77	D	ATOM 12903 C TYR D 259	54.747	27.402	-57.209	1.00	38.52	D
	ATOM 12819 CA CYS D 249	51.324	21.691	-57.200	1.00	39.77	D	ATOM 12904 O TYR D 259	53.554	27.397	-56.912	1.00	38.52	D
	ATOM 12820 CB CYS D 249	51.075	21.336	-55.735	1.00	29.13	D	ATOM 12905 N GLY D 260	55.447	28.510	-57.418	1.00	53.63	D
15	ATOM 12821 SG CYS D 249	49.491	20.598	-55.443	1.00	47.90	D	ATOM 12906 CA GLY D 260	54.849	29.820	-57.306	1.00	53.63	D
	ATOM 12822 C CYS D 249	51.019	20.490	-58.087	1.00	39.77	D	ATOM 12907 C GLY D 260	55.822	30.798	-57.918	1.00	53.63	D
	ATOM 12823 O CYS D 249	50.186	20.569	-58.987	1.00	39.77	D	ATOM 12908 O GLY D 260	56.855	31.114	-57.335	1.00	53.63	D
	ATOM 12824 N TYR D 250	51.696	19.379	-57.835	1.00	44.22	D	ATOM 12909 N TYR D 261	55.510	31.265	-59.115	1.00	46.47	D
	ATOM 12825 CA TYR D 250	51.492	18.190	-58.644	1.00	44.22	D	ATOM 12910 CA TYR D 261	56.380	32.213	-59.783	1.00	46.47	D
	ATOM 12826 CB TYR D 250	52.291	18.309	-59.932	1.00	45.51	D	ATOM 12911 CB TYR D 261	57.315	31.480	-60.732	1.00	53.54	D
	ATOM 12827 CG TYR D 250	53.774	18.393	-59.687	1.00	35.86	D	ATOM 12912 CG TYR D 261	56.612	30.717	-61.829	1.00	37.33	D
	ATOM 12828 CD1 TYR D 250	54.565	17.236	-59.623	1.00	35.86	D	ATOM 12913 CD1 TYR D 261	56.285	31.331	-63.036	1.00	37.33	D
	ATOM 12829 CE1 TYR D 250	55.937	17.307	-59.344	1.00	35.86	D	ATOM 12914 CE1 TYR D 261	55.696	30.606	-64.074	1.00	37.33	D
	ATOM 12830 CD2 TYR D 250	54.390	19.627	-59.469	1.00	35.86	D	ATOM 12915 CD2 TYR D 261	56.322	29.369	-61.682	1.00	37.33	D
	ATOM 12831 CE2 TYR D 250	55.761	19.712	-59.187	1.00	35.86	D	ATOM 12916 CE2 TYR D 261	55.734	28.641	-62.705	1.00	37.33	D
20	ATOM 12832 CZ TYR D 250	56.529	18.549	-59.125	1.00	35.86	D	ATOM 12917 CZ TYR D 261	55.426	29.258	-63.899	1.00	37.33	D
	ATOM 12833 OH TYR D 250	57.875	18.637	-58.831	1.00	35.86	D	ATOM 12918 OH TYR D 261	54.872	28.522	-64.920	1.00	37.33	D
	ATOM 12834 C TYR D 250	51.912	16.913	-57.944	1.00	44.22	D	ATOM 12919 C TYR D 261	55.586	33.262	-60.539	1.00	46.47	D
	ATOM 12835 O TYR D 250	52.764	16.924	-57.056	1.00	44.22	D	ATOM 12920 O TYR D 261	54.397	33.097	-60.795	1.00	46.47	D
	ATOM 12836 N GLU D 251	51.289	15.820	-58.365	1.00	55.38	D	ATOM 12921 N VAL D 262	56.266	34.344	-60.890	1.00	45.58	D
	ATOM 12837 CA GLU D 251	51.590	14.489	-57.883	1.00	55.38	D	ATOM 12922 CA VAL D 262	55.658	35.452	-61.607	1.00	45.58	D
	ATOM 12838 CB GLU D 251	50.504	13.986	-56.940	1.00	109.64	D	ATOM 12923 CB VAL D 262	55.899	36.781	-60.864	1.00	40.73	D
	ATOM 12839 CG GLU D 251	50.999	13.833	-55.522	1.00	63.26	D	ATOM 12924 CG1 VAL D 262	55.496	37.943	-61.742	1.00	32.22	D
	ATOM 12840 CD GLU D 251	49.999	13.159	-54.604	1.00	63.26	D	ATOM 12925 CG2 VAL D 262	55.112	36.807	-59.571	1.00	32.22	D
	ATOM 12841 OE1 GLU D 251	49.551	12.032	-54.921	1.00	63.26	D	ATOM 12926 C VAL D 262	56.270	35.566	-62.986	1.00	45.58	D
	ATOM 12842 OE2 GLU D 251	49.668	13.752	-53.552	1.00	63.26	D	ATOM 12927 O VAL D 262	57.477	35.681	-63.111	1.00	45.58	D
25	ATOM 12843 C GLU D 251	51.619	13.658	-59.162	1.00	55.38	D	ATOM 12928 N GLU D 263	55.447	35.508	-64.023	1.00	52.00	D
	ATOM 12844 O GLU D 251	50.634	13.023	-59.528	1.00	55.38	D	ATOM 12929 CA GLU D 263	55.961	35.649	-65.374	1.00	52.00	D
	ATOM 12845 N THR D 252	52.750	13.712	-59.859	1.00	47.09	D	ATOM 12930 CB GLU D 263	55.717	34.391	-66.214	1.00	112.72	D
	ATOM 12846 CA THR D 252	52.958	12.997	-61.117	1.00	47.09	D	ATOM 12931 CG GLU D 263	54.294	33.919	-66.267	1.00	99.32	D
	ATOM 12847 CB THR D 252	53.829	13.838	-62.072	1.00	59.29	D	ATOM 12932 CD GLU D 263	54.133	32.685	-67.139	1.00	99.32	D
	ATOM 12848 OG1 THR D 252	53.266	15.154	-62.202	1.00	59.29	D	ATOM 12933 OE1 GLU D 263	55.004	31.785	-67.071	1.00	99.32	D
	ATOM 12849 CG2 THR D 252	53.917	13.172	-63.438	1.00	59.29	D	ATOM 12934 OE2 GLU D 263	53.129	32.610	-67.884	1.00	99.32	D
	ATOM 12850 C THR D 252	53.689	11.697	-60.807	1.00	47.09	D	ATOM 12935 C GLU D 263	55.342	36.870	-66.037	1.00	52.00	D
	ATOM 12851 O THR D 252	54.918	11.688	-60.691	1.00	47.09	D	ATOM 12936 O GLU D 263	54.317	37.404	-65.602	1.00	52.00	D
	ATOM 12852 N GLY D 253	52.943	10.605	-60.675	1.00	44.04	D	ATOM 12937 N THR D 264	56.002	37.314	-67.092	1.00	56.74	D
	ATOM 12853 CA GLY D 253	53.575	9.344	-60.334	1.00	44.04	D	ATOM 12938 CA THR D 264	55.599	38.487	-67.846	1.00	56.74	D
	ATOM 12854 C GLY D 253	54.254	9.487	-58.974	1.00	44.04	D	ATOM 12939 CB THR D 264	56.749	39.514	-67.791	1.00	76.16	D
30	ATOM 12855 O GLY D 253	53.644	9.985	-58.014	1.00	44.04	D	ATOM 12940 OG1 THR D 264	56.434	40.509	-66.814	1.00	55.09	D
	ATOM 12856 N LEU D 254	55.512	9.068	-58.878	1.00	46.01	D	ATOM 12941 CG2 THR D 264	57.010	40.149	-69.127	1.00	55.09	D
	ATOM 12857 CA LEU D 254	56.246	9.184	-57.625	1.00	46.01	D	ATOM 12942 C THR D 264	55.297	38.075	-69.276	1.00	56.74	D
	ATOM 12858 CB LEU D 254	57.512	8.330	-57.640	1.00	40.40	D	ATOM 12943 O THR D 264	55.599	36.954	-69.680	1.00	56.74	D
	ATOM 12859 CG LEU D 254	57.384	6.813	-57.616	1.00	40.40	D	ATOM 12944 N ALA D 265	54.683	38.962	-70.043	1.00	67.41	D
	ATOM 12860 CD1 LEU D 254	58.760	6.223	-57.432	1.00	40.40	D	ATOM 12945 CA ALA D 265	54.390	38.631	-71.427	1.00	67.41	D
	ATOM 12861 CD2 LEU D 254	56.474	6.381	-56.502	1.00	40.40	D	ATOM 12946 CB ALA D 265	53.643	39.768	-72.090	1.00	67.70	D
	ATOM 12862 C LEU D 254	56.662	10.616	-57.331	1.00	46.01	D	ATOM 12947 C ALA D 265	55.711	38.376	-72.143	1.00	67.41	D
	ATOM 12863 O LEU D 254	56.840	10.983	-56.167	1.00	46.01	D	ATOM 12948 O ALA D 265	55.742	37.702	-73.171	1.00	67.41	D
	ATOM 12864 N LEU D 255	56.837	11.413	-58.383	1.00	39.32	D							
	ATOM 12865 CA LEU D 255	57.257	12.											

65251/C766

1	ATOM 12949 N ASN D 266	56.796 38.912 -71.582 1.00 65.38	D	ATOM 13034 CA LYS D 277	60.954 33.370 -48.066 1.00 65.82	D
	ATOM 12950 CA ASN D 266	58.135 38.758 -72.146 1.00 65.38	D	ATOM 13035 CB LYS D 277	60.783 33.633 -46.572 1.00 83.96	D
	ATOM 12951 CB ASN D 266	59.016 39.946 -71.759 1.00128.47	D	ATOM 13036 CG LYS D 277	60.346 32.407 -45.789 1.00 69.17	D
	ATOM 12952 CG ASN D 266	58.404 41.273 -72.145 1.00 70.32	D	ATOM 13037 CD LYS D 277	60.503 32.635 -44.296 1.00 69.17	D
	ATOM 12953 OD1 ASN D 266	57.999 41.475 -73.290 1.00 70.32	D	ATOM 13038 CE LYS D 277	60.010 31.454 -43.467 1.00 69.17	D
5	ATOM 12954 ND2 ASN D 266	58.339 42.190 -71.191 1.00 70.32	D	ATOM 13039 NZ LYS D 277	58.519 31.393 -43.395 1.00 69.17	D
	ATOM 12955 C ASN D 266	58.818 37.466 -71.703 1.00 65.38	D	ATOM 13040 C LYS D 277	61.151 34.686 -48.826 1.00 65.82	D
	ATOM 12956 O ASN D 266	59.833 37.066 -72.279 1.00 65.38	D	ATOM 13041 O LYS D 277	61.016 35.776 -48.270 1.00 65.82	D
	ATOM 12957 N GLY D 267	58.264 36.817 -70.682 1.00 73.10	D	ATOM 13042 N ARG D 278	61.470 34.563 -50.109 1.00 46.40	D
	ATOM 12958 CA GLY D 267	58.837 35.576 -70.187 1.00 73.10	D	ATOM 13043 CA ARG D 278	61.693 35.712 -50.975 1.00 46.40	D
10	ATOM 12959 C GLY D 267	58.973 35.514 -68.673 1.00 73.10	D	ATOM 13044 CB ARG D 278	63.045 36.340 -50.652 1.00105.48	D
	ATOM 12960 O GLY D 267	58.727 36.503 -67.975 1.00 73.10	D			
	ATOM 12961 N PRO D 268	59.387 34.357 -68.133 1.00 56.41	D	ATOM 13045 CG ARG D 278	64.204 35.477 -51.075 1.00 90.11	D
	ATOM 12962 CD PRO D 268	59.976 33.229 -68.870 1.00 53.29	D	ATOM 13046 CD ARG D 278	65.510 35.976 -50.513 1.00 90.11	D
	ATOM 12963 CA PRO D 268	59.553 34.174 -66.687 1.00 56.41	D	ATOM 13047 NE ARG D 278	66.642 35.202 -51.025 1.00 90.11	D
15	ATOM 12964 CB PRO D 268	60.277 32.832 -66.587 1.00 69.18	D	ATOM 13048 CZ ARG D 278	67.866 35.225 -50.502 1.00 90.11	D
	ATOM 12965 CG PRO D 268	61.004 32.730 -67.887 1.00 53.29	D	ATOM 13049 NH1 ARG D 278	68.121 35.985 -49.442 1.00 90.11	D
	ATOM 12966 C PRO D 268	60.319 35.309 -66.020 1.00 56.41	D			
	ATOM 12967 O PRO D 268	61.335 35.772 -66.524 1.00 56.41	D	ATOM 13050 NH2 ARG D 278	68.834 34.493 -51.042 1.00 90.11	D
	ATOM 12968 N LEU D 269	59.826 35.749 -64.873 1.00 62.06	D			
20	ATOM 12969 CA LEU D 269	60.444 36.847 -64.151 1.00 62.06	D	ATOM 13051 C ARG D 278	61.683 35.233 -52.433 1.00 46.40	D
	ATOM 12970 CB LEU D 269	59.383 37.910 -63.874 1.00 87.93	D	ATOM 13052 O ARG D 278	61.691 34.028 -52.706 1.00 46.40	D
	ATOM 12971 CG LEU D 269	59.861 39.298 -63.471 1.00 53.27	D	ATOM 13053 N PHE D 279	61.657 36.168 -53.375 1.00 48.84	D
	ATOM 12972 CD1 LEU D 269	60.836 39.804 -64.502 1.00 53.27	D	ATOM 13054 CA PHE D 279	61.672 35.802 -54.790 1.00 48.84	D
	ATOM 12973 CD2 LEU D 269	58.678 40.241 -63.357 1.00 53.27	D	ATOM 13055 CB PHE D 279	60.932 36.833 -55.642 1.00 60.99	D
25	ATOM 12974 C LEU D 269	61.100 36.391 -62.843 1.00 62.06	D	ATOM 13056 CG PHE D 279	59.449 36.693 -55.610 1.00 44.76	D
	ATOM 12975 O LEU D 269	62.328 36.321 -62.745 1.00 62.06	D	ATOM 13057 CD1 PHE D 279	58.685 37.391 -54.676 1.00 44.76	D
	ATOM 12976 N ALA D 270	60.287 36.077 -61.837 1.00 54.73	D	ATOM 13058 CD2 PHE D 279	58.806 35.864 -56.519 1.00 44.76	D
	ATOM 12977 CA ALA D 270	60.806 35.635 -60.540 1.00 54.73	D	ATOM 13059 CE1 PHE D 279	57.296 37.265 -54.654 1.00 44.76	D
	ATOM 12978 CB ALA D 270	60.819 36.796 -59.566 1.00 56.20	D	ATOM 13060 CE2 PHE D 279	57.424 35.729 -56.507 1.00 44.76	D
30	ATOM 12979 C ALA D 270	60.047 34.448 -59.927 1.00 54.73	D	ATOM 13061 CZ PHE D 279	56.666 36.432 -55.573 1.00 44.76	D
	ATOM 12980 O ALA D 270	58.830 34.314 -60.064 1.00 54.73	D	ATOM 13062 C PHE D 279	63.105 35.705 -55.293 1.00 48.84	D
	ATOM 12981 N ARG D 271	60.798 33.607 -59.229 1.00 60.30	D	ATOM 13063 O PHE D 279	64.006 36.351 -54.754 1.00 48.84	D
	ATOM 12982 CA ARG D 271	60.291 32.400 -58.590 1.00 60.30	D	ATOM 13064 N THR D 280	63.303 34.902 -56.334 1.00 49.98	D
	ATOM 12983 CB ARG D 271	61.160 31.227 -59.043 1.00 44.16	D	ATOM 13065 CA THR D 280	64.615 34.718 -56.923 1.00 49.98	D
35	ATOM 12984 CG ARG D 271	60.983 29.966 -58.294 1.00 37.28	D	ATOM 13066 CB THR D 280	65.215 33.372 -56.543 1.00 91.39	D
	ATOM 12985 CD ARG D 271	61.980 28.921 -58.793 1.00 37.28	D	ATOM 13067 OG1 THR D 280	65.150 33.212 -55.122 1.00 71.91	D
	ATOM 12986 NE ARG D 271	61.691 28.448 -60.150 1.00 37.28	D			
	ATOM 12987 CZ ARG D 271	62.389 28.772 -61.232 1.00 37.28	D	ATOM 13068 CG2 THR D 280	66.666 33.298 -57.004 1.00 71.91	D
	ATOM 12988 NH1 ARG D 271	63.429 29.585 -61.136 1.00 37.28	D			
40	ATOM 12989 NH2 ARG D 271	62.059 28.262 -62.405 1.00 37.28	D	ATOM 13069 C THR D 280	64.517 34.760 -58.431 1.00 49.98	D
	ATOM 12990 C ARG D 271	60.343 32.569 -57.078 1.00 60.30	D	ATOM 13070 O THR D 280	63.615 34.177 -59.007 1.00 49.98	D
	ATOM 12991 O ARG D 271	61.329 33.053 -56.533 1.00 60.30	D	ATOM 13071 N LYS D 281	65.458 35.445 -59.067 1.00 70.17	D
	ATOM 12992 N TYR D 272	59.279 32.179 -56.394 1.00 42.35	D	ATOM 13072 CA LYS D 281	65.488 35.562 -60.519 1.00 70.17	D
	ATOM 12993 CA TYR D 272	59.238 32.325 -54.944 1.00 42.35	D	ATOM 13073 CB LYS D 281	66.806 36.214 -60.944 1.00143.55	D
45	ATOM 12994 CB TYR D 272	57.816 32.607 -54.477 1.00 44.17	D	ATOM 13074 CG LYS D 281	67.992 35.793 -60.081 1.00119.49	D
	ATOM 12995 CG TYR D 272	57.713 32.795 -52.986 1.00 41.64	D	ATOM 13075 CD LYS D 281	69.185 35.346 -60.916 1.00119.49	D
	ATOM 12996 CD1 TYR D 272	57.985 34.025 -52.410 1.00 41.64	D	ATOM 13076 CE LYS D 281	69.790 36.481 -61.734 1.00119.49	D
	ATOM 12997 CE1 TYR D 272	57.906 34.211 -51.023 1.00 41.64	D	ATOM 13077 NZ LYS D 281	71.001 36.044 -62.501 1.00119.49	D
	ATOM 12998 CD2 TYR D 272	57.358 31.737 -52.144 1.00 41.64	D	ATOM 13078 C LYS D 281	65.336 34.210 -61.213 1.00 70.17	D
50	ATOM 12999 CE2 TYR D 272	57.278 31.910 -50.761 1.00 41.64	D	ATOM 13079 O LYS D 281	65.865 33.203 -60.751 1.00 70.17	D
	ATOM 13000 CZ TYR D 272	57.554 33.152 -50.210 1.00 41.64	D	ATOM 13080 N MET D 282	64.596 34.191 -62.316 1.00 51.84	D
	ATOM 13001 OH TYR D 272	57.482 33.344 -48.848 1.00 41.64	D	ATOM 13081 CA MET D 282	64.414 32.962 -63.081 1.00 51.84	D
	ATOM 13002 C TYR D 272	59.744 31.078 -54.233 1.00 42.35	D	ATOM 13082 CB MET D 282	62.950 32.764 -63.468 1.00 66.83	D
	ATOM 13003 O TYR D 272	59.206 29.987 -54.422 1.00 42.35	D	ATOM 13083 CG MET D 282	62.031 32.400 -62.326 1.00 66.83	D
55	ATOM 13004 N HIS D 273	60.764 31.239 -53.397 1.00 62.73	D	ATOM 13084 SD MET D 282	60.468 31.741 -62.943 1.00 66.83	D
	ATOM 13005 CA HIS D 273	61.319 30.108 -52.664 1.00 62.73	D	ATOM 13085 CE MET D 282	59.509 33.228 -63.105 1.00 66.83	D
	ATOM 13006 CB HIS D 273	62.844 30.148 -52.690 1.00122.43	D	ATOM 13086 C MET D 282	65.242 33.060 -64.353 1.00 51.84	D
	ATOM 13007 CG HIS D 273	63.419 29.753 -54.010 1.00103.16	D	ATOM 13087 O MET D 282	65.382 32.093 -65.094 1.00 51.84	D
	ATOM 13008 CD2 HIS D 273	64.190 30.433 -54.890 1.00103.16	D	ATOM 13088 N THR D 283	65.780 34.251 -64.598 1.00 91.08	D
60	ATOM 13009 ND1 HIS D 273	63.179 28.522 -54.580 1.00103.16	D	ATOM 13089 CA THR D 283	66.593 34.524 -65.776 1.00 91.08	D
	ATOM 13010 CE1 HIS D 273	63.777 28.460 -55.757 1.00103.16	D	ATOM 13090 CB THR D 283	65.801 35.359 -66.793 1.00 73.84	D
	ATOM 13011 NE2 HIS D 273	64.398 29.607 -55.969 1.00103.16	D	ATOM 13091 OG1 THR D 283	64.688 34.596 -67.262 1.00 73.84	D
	ATOM 13012 C HIS D 273	60.825 30.026 -51.236 1.00 62.73	D			
	ATOM 13013 O HIS D 273	61.013 30.936 -50.432 1.00 62.73	D	ATOM 13092 CG2 THR D 283	66.668 35.741 -67.970 1.00 73.84	D
65	ATOM 13014 N THR D 274	60.173 28.912 -50.944 1.00 58.88	D			
	ATOM 13015 CA THR D 274	59.625 28.633 -49.629 1.00 58.88	D	ATOM 13093 C THR D 283	67.820 35.317 -65.351 1.00 91.08	D
	ATOM 13016 CB THR D 274	58.975 27.240 -49.625 1.00 67.78	D	ATOM 13094 O THR D 283	67.818 35.942 -64.290 1.00 91.08	D
	ATOM 13017 OG1 THR D 274	57.567 27.386 -49.830 1.00 60.31	D	ATOM 13095 N HIS D 284	68.865 35.281 -66.174 1.00 95.17	D
	ATOM 13018 CG2 THR D 274	59.247 26.504 -48.325 1.00 60.31	D	ATOM 13096 CA HIS D 284	70.093 36.024 -65.899 1.00 95.17	D
70	ATOM 13019 C THR D 274	60.682 28.714 -48.536 1.00 58.88	D	ATOM 13097 CB HIS D 284	71.093 35.825 -67.043 1.00137.09	D
	ATOM 13020 O THR D 274	60.404 29.176 -47.434 1.00 58.88	D	ATOM 13098 CG HIS D 284	70.552 36.205 -68.390 1.00137.09	D
	ATOM 13021 N GLY D 275	61.893 28.260 -48.849 1.00 62.83	D	ATOM 13099 CD2 HIS D 284	70.915 37.182 -69.255 1.00137.09	D
	ATOM 13022 CA GLY D 275	62.977 28.292 -47.881 1.00 62.83	D	ATOM 13100 ND1 HIS D 284	69.485 35.555 -68.975 1.00137.09	D
	ATOM 13023 C GLY D 275	63.431 29.695 -47.513 1.00 62.83	D	ATOM 13101 CE1 HIS D 284	69.215 36.115 -70.141 1.00137.09	D
75	ATOM 13024 O GLY D 275	63.301 30.110 -46.366 1.00 62.83	D	ATOM 13102 NE2 HIS D 284	70.068 37.105 -70.335 1.00137.09	D
	ATOM 13025 N ASP D 276	63.952 30.428 -48.490 1.00 62.55	D	ATOM 13103 C HIS D 284	69.743 37.509 -65.784 1.00 95.17	D
	ATOM 13026 CA ASP D 276	64.431 31.789 -48.276 1.00 62.55	D	ATOM 13104 O HIS D 284	70.319 38.239 -64.973 1.00 95.17	D
	ATOM 13027 CB ASP D 276	65.203 32.251 -49.504 1.00155.37	D	ATOM 13105 N LYS D 285	68.782 37.929 -66.607 1.00 81.36	D
	ATOM 13028 CG ASP D 276	66.218 31.236 -49.957 1.00134.37	D	ATOM 13106 CA LYS D 285	68.300 39.304 -66.674 1.00 81.36	D
80	ATOM 13029 OD1 ASP D 276	67.209 31.026 -49.227 1.00134.37	D	ATOM 13107 CB LYS D 285	67.075 39.368 -67.587 1.00 98.23	D
	ATOM 13030 OD2 ASP D 276	66.017 30.640 -51.037 1.00134.37	D	ATOM 13108 CG LYS D 285	67.149 40.434 -68.663 1.00 98.23	D
	ATOM 13031 C ASP D 276	63.332 32.813 -47.976 1.00 62.55	D	ATOM 13109 CD LYS D 285	68.264 40.139 -69.661 1.00 98.23	D
	ATOM 13032 O ASP D 276	63.621 33.904 -47.478 1.00 62.55	D	ATOM 13110 CE LYS D 285	68.322 41.196 -70.759 1.00 98.23	D
	ATOM 13033 N LYS D 277	62.082 32.469 -48.287 1.00 65.82	D	ATOM 13111 NZ LYS D 285	69.396 40.917 -71.749 1.00 98.23	D

65251/C766

1	ATOM 13112 C LYS D 285	67.944	39.925	-65.322	1.00	81.36	D	ATOM 13197 CB ASN D 297	55.714	45.590	-51.134	1.00	65.43	D
	ATOM 13113 O LYS D 285	68.082	41.133	-65.139	1.00	81.36	D	ATOM 13198 CG ASN D 297	54.285	45.968	-51.488	1.00	65.43	D
	ATOM 13114 N GLY D 286	67.486	39.103	-64.381	1.00	59.05	D	ATOM 13199 OD1 ASN D 297	53.382	45.912	-50.647	1.00	65.43	D
	ATOM 13115 CA GLY D 286	67.104	39.609	-63.072	1.00	59.05	D	ATOM 13200 ND2 ASN D 297	54.073	46.358	-52.741	1.00	65.43	D
5	ATOM 13116 C GLY D 286	65.666	40.094	-63.109	1.00	59.05	D	ATOM 13201 C ASN D 297	55.547	46.295	-48.743	1.00	53.99	D
	ATOM 13117 O GLY D 286	64.997	39.954	-64.133	1.00	59.05	D	ATOM 13202 O ASN D 297	55.765	45.338	-48.001	1.00	53.99	D
	ATOM 13118 N PHE D 287	65.178	40.656	-62.006	1.00	61.03	D	ATOM 13203 N THR D 298	54.641	47.226	-48.478	1.00	49.34	D
	ATOM 13119 CA PHE D 287	63.805	41.160	-61.959	1.00	61.03	D	ATOM 13204 CA THR D 298	53.825	47.199	-47.286	1.00	49.34	D
10	ATOM 13120 CB PHE D 287	62.864	40.097	-61.389	1.00	47.22	D	ATOM 13205 CB THR D 298	52.934	48.453	-47.244	1.00	76.17	D
	ATOM 13121 CG PHE D 287	63.084	39.808	-59.929	1.00	47.22	D	ATOM 13206 OG1 THR D 298	51.846	48.232	-46.346	1.00	76.17	D
	ATOM 13122 CD1 PHE D 287	62.460	40.574	-58.952	1.00	47.22	D	ATOM 13207 CG2 THR D 298	52.391	48.779	-48.627	1.00	76.17	D
	ATOM 13123 CD2 PHE D 287	63.905	38.756	-59.528	1.00	47.22	D	ATOM 13208 C THR D 298	52.955	45.937	-47.168	1.00	49.34	D
15	ATOM 13124 CE1 PHE D 287	62.648	40.297	-57.595	1.00	47.22	D	ATOM 13209 O THR D 298	52.584	45.541	-46.065	1.00	49.34	D
	ATOM 13125 CE2 PHE D 287	64.101	38.467	-58.165	1.00	47.22	D	ATOM 13210 N LEU D 299	52.636	45.300	-48.291	1.00	56.01	D
	ATOM 13126 CZ PHE D 287	63.473	39.237	-57.202	1.00	47.22	D	ATOM 13211 CA LEU D 299	51.802	44.104	-48.260	1.00	56.01	D
	ATOM 13127 C PHE D 287	63.721	42.424	-61.117	1.00	61.03	D	ATOM 13212 CB LEU D 299	50.790	44.154	-49.394	1.00	52.60	D
20	ATOM 13128 O PHE D 287	64.380	42.543	-60.081	1.00	61.03	D	ATOM 13213 CG LEU D 299	49.759	45.269	-49.269	1.00	52.60	D
	ATOM 13129 N PRO D 288	62.894	43.388	-61.546	1.00	67.74	D	ATOM 13214 CD1 LEU D 299	48.915	45.294	-50.527	1.00	52.60	D
	ATOM 13130 CD PRO D 288	61.994	43.315	-62.711	1.00	61.29	D	ATOM 13215 CD2 LEU D 299	48.905	45.048	-48.009	1.00	52.60	D
	ATOM 13131 CA PRO D 288	62.722	44.656	-60.831	1.00	67.74	D	ATOM 13216 C LEU D 299	52.583	42.798	-48.336	1.00	56.01	D
25	ATOM 13132 CB PRO D 288	61.837	45.462	-61.775	1.00	61.29	D	ATOM 13217 O LEU D 299	51.995	41.715	-48.439	1.00	56.01	D
	ATOM 13133 CG PRO D 288	60.986	44.404	-62.408	1.00	61.29	D	ATOM 13218 N TRP D 300	53.907	42.899	-48.281	1.00	54.84	D
	ATOM 13134 C PRO D 288	62.097	44.480	-59.458	1.00	67.74	D	ATOM 13219 CA TRP D 300	54.760	41.721	-48.345	1.00	54.84	D
	ATOM 13135 O PRO D 288	61.013	43.906	-59.332	1.00	67.74	D	ATOM 13220 CB TRP D 300	56.196	42.089	-48.009	1.00	56.92	D
30	ATOM 13136 N LYS D 289	62.784	44.968	-58.430	1.00	59.47	D	ATOM 13221 CG TRP D 300	57.127	40.933	-48.105	1.00	56.92	D
	ATOM 13137 CA LYS D 289	62.268	44.863	-57.074	1.00	59.47	D	ATOM 13222 CD2 TRP D 300	57.403	40.143	-49.272	1.00	56.92	D
	ATOM 13138 CB LYS D 289	63.414	44.914	-56.061	1.00	125.23	D	ATOM 13223 CE2 TRP D 300	58.356	39.170	-48.903	1.00	56.92	D
	ATOM 13139 CG LYS D 289	64.179	43.598	-55.979	1.00	125.23	D	ATOM 13224 CE3 TRP D 300	56.938	40.166	-50.592	1.00	56.92	D
35	ATOM 13140 CD LYS D 289	65.324	43.667	-54.991	1.00	125.23	D	ATOM 13225 CD1 TRP D 300	57.897	40.420	-47.106	1.00	56.92	D
	ATOM 13141 CE LYS D 289	66.445	44.562	-55.511	1.00	125.23	D	ATOM 13226 NE1 TRP D 300	58.641	39.359	-47.577	1.00	56.92	D
	ATOM 13142 NZ LYS D 289	67.607	44.618	-54.578	1.00	125.23	D	ATOM 13227 CZ2 TRP D 300	58.853	38.229	-49.804	1.00	56.92	D
	ATOM 13143 C LYS D 289	61.216	45.941	-56.794	1.00	59.47	D	ATOM 13228 CZ3 TRP D 300	57.434	39.231	-51.490	1.00	56.92	D
40	ATOM 13144 O LYS D 289	61.474	46.951	-56.141	1.00	59.47	D	ATOM 13229 CH2 TRP D 300	58.382	38.275	-51.092	1.00	56.92	D
	ATOM 13145 N VAL D 290	60.012	45.687	-57.300	1.00	71.87	D	ATOM 13230 C TRP D 300	54.307	40.614	-47.408	1.00	54.84	D
	ATOM 13146 CA VAL D 290	58.883	46.589	-57.145	1.00	71.87	D	ATOM 13231 O TRP D 300	54.308	39.445	-47.790	1.00	54.84	D
	ATOM 13147 CB VAL D 290	58.647	47.380	-58.444	1.00	63.85	D	ATOM 13232 N LYS D 301	53.924	40.975	-46.186	1.00	54.12	D
45	ATOM 13148 CG1 VAL D 290	59.934	48.042	-58.885	1.00	63.85	D	ATOM 13233 CA LYS D 301	53.478	39.982	-45.216	1.00	54.12	D
	ATOM 13149 CG2 VAL D 290	58.132	46.446	-59.537	1.00	63.85	D	ATOM 13234 CB LYS D 301	53.066	40.646	-43.897	1.00	81.50	D
	ATOM 13150 C VAL D 290	57.620	45.788	-56.836	1.00	71.87	D	ATOM 13235 CG LYS D 301	54.187	41.442	-43.232	1.00	81.50	D
	ATOM 13151 O VAL D 290	57.600	44.569	-56.967	1.00	71.87	D	ATOM 13236 CD LYS D 301	55.495	40.631	-43.155	1.00	81.50	D
50	ATOM 13152 N GLY D 291	56.571	46.490	-56.430	1.00	57.44	D	ATOM 13237 CE LYS D 301	56.714	41.520	-42.887	1.00	81.50	D
	ATOM 13153 CA GLY D 291	55.303	45.846	-56.134	1.00	57.44	D	ATOM 13238 NZ LYS D 301	57.999	40.832	-43.205	1.00	81.50	D
	ATOM 13154 C GLY D 291	55.372	44.642	-55.222	1.00	57.44	D	ATOM 13239 C LYS D 301	52.324	39.158	-45.765	1.00	54.12	D
	ATOM 13155 O GLY D 291	56.021	44.676	-54.180	1.00	57.44	D	ATOM 13240 O LYS D 301	52.247	37.954	-45.510	1.00	54.12	D
55	ATOM 13156 N MET D 292	54.688	43.577	-55.623	1.00	64.59	D	ATOM 13241 N ASP D 302	51.431	39.791	-46.528	1.00	55.09	D
	ATOM 13157 CA MET D 292	54.648	42.335	-54.860	1.00	64.59	D	ATOM 13242 CA ASP D 302	50.307	39.064	-47.096	1.00	55.09	D
	ATOM 13158 CB MET D 292	53.594	41.410	-55.451	1.00	76.71	D	ATOM 13243 CB ASP D 302	49.242	40.028	-47.609	1.00	84.07	D
	ATOM 13159 CG MET D 292	54.003	40.900	-56.814	1.00	76.71	D	ATOM 13244 CG ASP D 302	48.500	40.707	-46.487	1.00	84.07	D
60	ATOM 13160 SD MET D 292	53.097	39.456	-57.324	1.00	76.71	D	ATOM 13245 OD1 ASP D 302	48.035	39.991	-45.578	1.00	84.07	D
	ATOM 13161 CE MET D 292	52.225	40.098	-58.733	1.00	76.71	D	ATOM 13246 OD2 ASP D 302	48.378	41.948	-46.510	1.00	84.07	D
	ATOM 13162 C MET D 292	55.989	41.590	-54.880	1.00	64.59	D	ATOM 13247 C ASP D 302	50.788	38.159	-48.211	1.00	55.09	D
	ATOM 13163 O MET D 292	56.121	40.530	-54.279	1.00	64.59	D	ATOM 13248 O ASP D 302	50.295	37.041	-48.356	1.00	55.09	D
65	ATOM 13164 N LEU D 293	56.980	42.136	-55.571	1.00	56.28	D	ATOM 13249 N VAL D 303	51.753	38.636	-48.994	1.00	44.08	D
	ATOM 13165 CA LEU D 293	58.265	41.472	-55.673	1.00	56.28	D	ATOM 13250 CA VAL D 303	52.296	37.831	-50.076	1.00	44.08	D
	ATOM 13166 CB LEU D 293	58.817	41.642	-57.088	1.00	52.05	D	ATOM 13251 CB VAL D 303	53.414	38.568	-50.819	1.00	48.62	D
	ATOM 13167 CG LEU D 293	57.996	40.964	-58.185	1.00	52.05	D	ATOM 13252 CG1 VAL D 303	54.049	37.654	-51.856	1.00	37.93	D
70	ATOM 13168 CD1 LEU D 293	58.552	41.299	-59.563	1.00	52.05	D	ATOM 13253 CG2 VAL D 303	52.849	39.788	-51.491	1.00	37.93	D
	ATOM 13169 CD2 LEU D 293	58.021	39.472	-57.958	1.00	52.05	D	ATOM 13254 C VAL D 303	52.855	36.543	-49.483	1.00	44.08	D
	ATOM 13170 C LEU D 293	59.348	41.857	-54.664	1.00	56.28	D	ATOM 13255 O VAL D 303	52.486	35.445	-49.918	1.00	44.08	D
	ATOM 13171 O LEU D 293	60.427	41.264	-54.679	1.00	56.28	D	ATOM 13256 N LYS D 304	53.734	36.678	-48.486	1.00	61.07	D
75	ATOM 13172 N THR D 294	59.089	42.833	-53.796	1.00	66.61	D	ATOM 13257 CA LYS D 304	54.332	35.520	-47.820	1.00	61.07	D
	ATOM 13173 CA THR D 294	60.097	43.222	-52.807	1.00	66.61	D	ATOM 13258 CB LYS D 304	55.112	35.949	-46.581	1.00	77.60	D
	ATOM 13174 CB THR D 294	60.617	44.645	-53.007	1.00	86.83	D	ATOM 13259 CG LYS D 304	56.514	36.432	-46.826	1.00	59.52	D
	ATOM 13175 OG1 THR D 294	60.762	44.916	-54.401	1.00	86.83	D	ATOM 13260 CD LYS D 304	57.135	36.869	-45.504	1.00	59.52	D
80	ATOM 13176 CG2 THR D 294	61.976	44.796	-52.319	1.00	86.83	D	ATOM 13261 CE LYS D 304	58.595	37.257	-45.673	1.00	59.52	D
	ATOM 13177 C THR D 294	59.583	43.180	-51.390	1.00	66.61	D	ATOM 13262 NZ LYS D 304	59.171	37.808	-44.418	1.00	59.52	D
	ATOM 13178 O THR D 294	58.402	43.385	-51.139	1.00	66.61	D	ATOM 13263 C LYS D 304	53.252	34.536	-47.382	1.00	61.07	D
	ATOM 13179 N VAL D 295	60.491	42.939	-50.458	1.00	69.77	D	ATOM 13264 O LYS D 304	53.359	33.330	-47.599	1.00	61.07	D
85	ATOM 13180 CA VAL D 295	60.121	42.894	-49.060	1.00	69.77	D	ATOM 13265 N ALA D 305	52.202	35.062	-46.772	1.00	49.25	D
	ATOM 13181 CB VAL D 295	61.288	42.374	-48.215	1.00	59.45	D	ATOM 13266 CA ALA D 305	51.131	34.229	-46.277	1.00	49.25	D
	ATOM 13182 CG1 VAL D 295	60.868	42.263	-46.743	1.00	59.45	D	ATOM 13267 CB ALA D 305	50.259	35.037	-45.365	1.00	27.25	D
	ATOM 13183 CG2 VAL D 295	61.744	41.030	-48.761	1.00	59.45	D	ATOM 13268 C ALA D 305	50.282	33.572	-47.352	1.00	49.25	D

65251/C766

1	ATOM 13275 CE1 TYR D 306	46.025	37.701	-48.719	1.00	50.05	D	ATOM 13360 C LEU D 317	45.269	19.641	-49.904	1.00	42.70	D
	ATOM 13276 CD2 TYR D 306	46.574	35.026	-48.227	1.00	50.05	D	ATOM 13361 O LEU D 317	44.447	18.713	-50.002	1.00	42.70	D
	ATOM 13277 CE2 TYR D 306	45.645	35.698	-47.450	1.00	50.05	D	ATOM 13362 N ALA D 318	45.112	20.807	-50.522	1.00	35.61	D
	ATOM 13278 CZ TYR D 306	45.376	37.034	-47.699	1.00	50.05	D	ATOM 13363 CA ALA D 318	43.923	21.081	-51.309	1.00	35.61	D
	ATOM 13279 OH TYR D 306	44.457	37.684	-46.910	1.00	50.05	D	ATOM 13364 CB ALA D 318	43.952	22.520	-51.812	1.00	31.04	D
	ATOM 13280 C TYR D 306	49.702	32.939	-50.346	1.00	49.34	D	ATOM 13365 C ALA D 318	43.757	20.126	-52.474	1.00	35.61	D
	ATOM 13281 O TYR D 306	49.290	31.819	-50.616	1.00	49.34	D	ATOM 13366 O ALA D 318	42.685	19.565	-52.690	1.00	35.61	D
	ATOM 13282 N LEU D 307	50.798	33.455	-50.889	1.00	46.63	D	ATOM 13367 N ILE D 319	44.824	19.937	-53.229	1.00	39.02	D
	ATOM 13283 CA LEU D 307	51.577	32.711	-51.872	1.00	46.63	D	ATOM 13368 CA ILE D 319	44.751	19.062	-54.392	1.00	39.02	D
5	ATOM 13284 CB LEU D 307	52.394	33.662	-52.738	1.00	59.99	D	ATOM 13369 CB ILE D 319	46.146	18.779	-54.981	1.00	55.98	D
	ATOM 13285 CG LEU D 307	53.392	33.002	-53.694	1.00	28.12	D	ATOM 13370 CG2 ILE D 319	46.923	17.843	-54.079	1.00	30.54	D
	ATOM 13286 CD1 LEU D 307	52.681	32.097	-54.684	1.00	28.12	D	ATOM 13371 CG1 ILE D 319	45.987	18.162	-56.368	1.00	30.54	D
	ATOM 13287 CD2 LEU D 307	54.165	34.100	-54.423	1.00	28.12	D	ATOM 13372 CD1 ILE D 319	47.298	17.978	-57.131	1.00	30.54	D
	ATOM 13288 C LEU D 307	52.505	31.707	-51.218	1.00	46.63	D	ATOM 13373 C ILE D 319	44.065	17.734	-54.083	1.00	39.02	D
	ATOM 13289 O LEU D 307	52.515	30.532	-51.587	1.00	46.63	D	ATOM 13374 O ILE D 319	43.418	17.171	-54.949	1.00	39.02	D
	ATOM 13290 N GLY D 308	53.291	32.172	-50.253	1.00	42.70	D	ATOM 13375 N LEU D 320	44.193	17.246	-52.849	1.00	39.80	D
	ATOM 13291 CA GLY D 308	54.199	31.282	-49.567	1.00	42.70	D	ATOM 13376 CA LEU D 320	43.564	15.980	-52.480	1.00	39.80	D
	ATOM 13292 C GLY D 308	53.458	30.138	-48.893	1.00	42.70	D	ATOM 13377 CB LEU D 320	44.147	15.461	-51.156	1.00	66.49	D
	ATOM 13293 O GLY D 308	53.845	28.976	-49.030	1.00	42.70	D	ATOM 13378 CG LEU D 320	45.637	15.076	-51.210	1.00	44.33	D
	ATOM 13294 N GLY D 309	52.387	30.453	-48.171	1.00	43.18	D	ATOM 13379 CD1 LEU D 320	46.089	14.564	-49.858	1.00	44.33	D
10	ATOM 13295 CA GLY D 309	51.643	29.416	-47.477	1.00	43.18	D	ATOM 13380 CD2 LEU D 320	45.880	14.019	-52.291	1.00	44.33	D
	ATOM 13296 C GLY D 309	51.092	28.339	-48.389	1.00	43.18	D	ATOM 13381 C LEU D 320	42.036	16.085	-52.395	1.00	39.80	D
	ATOM 13297 O GLY D 309	51.245	27.137	-48.141	1.00	43.18	D	ATOM 13382 O LEU D 320	41.326	15.118	-52.686	1.00	39.80	D
	ATOM 13298 N PHE D 310	50.445	28.779	-49.461	1.00	41.87	D	ATOM 13383 N ASP D 321	41.533	17.260	-52.012	1.00	46.17	D
	ATOM 13299 CA PHE D 310	49.849	27.871	-50.424	1.00	41.87	D	ATOM 13384 CA ASP D 321	40.092	17.462	-51.922	1.00	46.17	D
	ATOM 13300 CB PHE D 310	49.214	28.675	-51.553	1.00	39.33	D	ATOM 13385 CB ASP D 321	39.765	18.766	-51.183	1.00	94.54	D
	ATOM 13301 CG PHE D 310	48.351	27.859	-52.466	1.00	35.16	D	ATOM 13386 CG ASP D 321	40.051	18.687	-49.690	1.00	73.54	D
	ATOM 13302 CD1 PHE D 310	47.215	27.212	-51.980	1.00	35.16	D	ATOM 13387 OD1 ASP D 321	39.697	17.658	-49.075	1.00	73.54	D
	ATOM 13303 CD2 PHE D 310	48.656	27.762	-53.816	1.00	35.16	D	ATOM 13388 OD2 ASP D 321	40.612	19.667	-49.135	1.00	73.54	D
	ATOM 13304 CE1 PHE D 310	46.388	26.477	-52.827	1.00	35.16	D	ATOM 13389 C ASP D 321	39.507	17.502	-53.335	1.00	46.17	D
	ATOM 13305 CE2 PHE D 310	47.839	27.031	-54.680	1.00	35.16	D	ATOM 13390 O ASP D 321	38.421	16.982	-53.585	1.00	46.17	D
15	ATOM 13306 CZ PHE D 310	46.699	26.386	-54.180	1.00	35.16	D	ATOM 13391 N TYR D 322	40.236	18.115	-54.264	1.00	49.07	D
	ATOM 13307 C PHE D 310	50.909	26.944	-50.996	1.00	41.87	D	ATOM 13392 CA TYR D 322	39.777	18.202	-55.645	1.00	49.07	D
	ATOM 13308 O PHE D 310	50.694	25.736	-51.125	1.00	41.87	D	ATOM 13393 CB TYR D 322	40.770	18.977	-56.517	1.00	43.94	D
	ATOM 13309 N GLU D 311	52.050	27.534	-51.341	1.00	33.59	D	ATOM 13394 CG TYR D 322	40.745	20.483	-56.344	1.00	34.65	D
	ATOM 13310 CA GLU D 311	53.161	26.800	-51.917	1.00	33.59	D	ATOM 13395 CD1 TYR D 322	41.220	21.080	-55.177	1.00	34.65	D
	ATOM 13311 CB GLU D 311	54.194	27.767	-52.490	1.00	93.21	D	ATOM 13396 CE1 TYR D 322	41.227	22.472	-55.028	1.00	34.65	D
	ATOM 13312 CG GLU D 311	55.049	27.143	-53.571	1.00	77.44	D	ATOM 13397 CD2 TYR D 322	40.271	21.315	-57.361	1.00	34.65	D
	ATOM 13313 CD GLU D 311	56.186	28.036	-54.020	1.00	77.44	D	ATOM 13398 CE2 TYR D 322	40.278	22.711	-57.223	1.00	34.65	D
	ATOM 13314 OE1 GLU D 311	55.987	29.265	-54.126	1.00	77.44	D	ATOM 13399 CZ TYR D 322	40.761	23.281	-56.054	1.00	34.65	D
	ATOM 13315 OE2 GLU D 311	57.282	27.500	-54.286	1.00	77.44	D	ATOM 13400 OH TYR D 322	40.818	24.647	-55.919	1.00	34.65	D
20	ATOM 13316 C GLU D 311	53.825	25.897	-50.889	1.00	33.59	D	ATOM 13401 C TYR D 322	39.648	16.796	-56.187	1.00	49.07	D
	ATOM 13317 O GLU D 311	54.290	24.805	-51.213	1.00	33.59	D	ATOM 13402 O TYR D 322	38.626	16.419	-56.770	1.00	49.07	D
	ATOM 13318 N TYR D 312	53.853	26.339	-49.642	1.00	40.87	D	ATOM 13403 N GLN D 323	40.701	16.016	-55.986	1.00	47.42	D
	ATOM 13319 CA TYR D 312	54.489	25.555	-48.600	1.00	40.87	D	ATOM 13404 CA GLN D 323	40.726	14.650	-56.456	1.00	47.42	D
	ATOM 13320 CB TYR D 312	54.687	26.380	-47.339	1.00	57.24	D	ATOM 13405 CB GLN D 323	41.980	13.954	-55.964	1.00	77.41	D
	ATOM 13321 CG TYR D 312	55.420	25.624	-46.265	1.00	51.94	D	ATOM 13406 CG GLN D 323	42.067	12.536	-56.424	1.00	51.80	D
	ATOM 13322 CD1 TYR D 312	56.780	25.374	-46.374	1.00	51.94	D	ATOM 13407 CD GLN D 323	43.369	11.889	-56.036	1.00	51.80	D
	ATOM 13323 CE1 TYR D 312	57.460	24.640	-45.394	1.00	51.94	D	ATOM 13408 OE1 GLN D 323	43.784	11.933	-54.870	1.00	51.80	D
	ATOM 13324 CD2 TYR D 312	54.744	25.124	-45.147	1.00	51.94	D	ATOM 13409 NE2 GLN D 323	44.025	11.271	-57.011	1.00	51.80	D
	ATOM 13325 CE2 TYR D 312	55.409	24.388	-44.158	1.00	51.94	D	ATOM 13410 C GLN D 323	39.855	13.892	-56.000	1.00	47.42	D
	ATOM 13326 CZ TYR D 312	56.764	24.151	-44.289	1.00	51.94	D	ATOM 13411 O GLN D 323	38.480	13.230	-56.807	1.00	47.42	D
	ATOM 13327 OH TYR D 312	57.423	23.423	-43.320	1.00	51.94	D	ATOM 13412 N LYS D 324	39.136	13.994	-54.718	1.00	38.54	D
25	ATOM 13328 C TYR D 312	53.726	24.305	-48.236	1.00	40.87	D	ATOM 13413 CA LYS D 324	37.952	13.310	-54.187	1.00	38.54	D
	ATOM 13329 O TYR D 312	54.325	23.276	-47.958	1.00	40.87	D	ATOM 13414 CB LYS D 324	37.734	13.648	-52.710	1.00	81.92	D
	ATOM 13330 N MET D 313	52.408	24.376	-48.222	1.00	43.69	D	ATOM 13415 CG LYS D 324	38.628	12.928	-51.747	1.00	71.35	D
	ATOM 13331 CA MET D 313	51.645	23.192	-47.870	1.00	43.69	D	ATOM 13416 CD LYS D 324	38.133	13.121	-50.328	1.00	71.35	D
	ATOM 13332 CB MET D 313	51.727	22.966	-46.364	1.00	55.91	D	ATOM 13417 CE LYS D 324	39.001	12.369	-49.328	1.00	71.35	D
	ATOM 13333 CG MET D 313	51.007	21.729	-45.897	1.00	55.76	D	ATOM 13418 NZ LYS D 324	38.464	12.437	-47.928	1.00	71.35	D
	ATOM 13334 SD MET D 313	50.996	21.629	-44.128	1.00	55.76	D	ATOM 13419 C LYS D 324	36.682	13.691	-54.950	1.00	38.54	D
	ATOM 13335 CE MET D 313	52.770	21.629	-43.812	1.00	55.76	D	ATOM 13420 O LYS D 324	35.920	12.826	-55.391	1.00	38.54	D
	ATOM 13336 C MET D 313	50.177	23.241	-48.295	1.00	43.69	D	ATOM 13421 N MET D 325	36.447	14.989	-55.097	1.00	52.31	D
	ATOM 13337 O MET D 313	49.585	22.210	-48.646	1.00	43.69	D	ATOM 13422 CA MET D 325	35.247	15.443	-55.768	1.00	52.31	D
	ATOM 13338 N GLY D 314	49.597	24.438	-48.257	1.00	33.20	D	ATOM 13423 CB MET D 325	34.989	16.904	-55.451	1.00	66.27	D
	ATOM 13339 CA GLY D 314	48.203	24.599	-48.619	1.00	33.20	D	ATOM 13424 CG MET D 325	34.677	17.134	-54.016	1.00	54.83	D
30	ATOM 13340 C GLY D 314	47.775	23.852	-49.866	1.00	33.20	D	ATOM 13425 SD MET D 325	34.384	18.838	-55.770	1.00	54.83	D
	ATOM 13341 O GLY D 314	46.822	23.058	-49.845	1.00	33.20	D	ATOM 13426 CE MET D 325	36.015	19.361	-53.064	1.00	54.83	D
	ATOM 13342 N CYS D 315	48.485	24.100	-50.959	1.00	45.89	D	ATOM 13427 C MET D 325	35.290	15.253	-57.268	1.00	52.31	D
	ATOM 13343 CA CYS D 315	48.164	23.457	-52.217	1.00	45.89	D	ATOM 13428 O MET D 325	34.265	15.356	-57.941	1.00	52.31	D
	ATOM 13344 CB CYS D 315	49.128	23.929	-53.295	1.00	64.49	D	ATOM 13429 N ALA D 326	36.464	14.964	-57.808	1.00	38.89	D
	ATOM 13345 SG CYS D 315	48.592	23.501	-54.946	1.00	69.86	D	ATOM 13430 CA ALA D 326	36.550	14.791	-59.246	1.00	38.89	D
	ATOM 13346 C CYS D 315	48.183	21.934	-52.142	1.00	45.89	D	ATOM 13431 CB ALA D 326	37.872	15.369	-59.767	1.00	26.18	D
	ATOM 13347 O CYS D 315	47.208	21.280	-52.513	1.00	45.89	D	ATOM 13432 C ALA D 326	36.424	13.336	-59.657	1.00	38.89	D
	ATOM 13348 N SER D 316	49.286	21.364	-51.661	1.00	48.57	D	ATOM 13433 O ALA D 326	36.024	13.048	-60.785	1.00	38.89	D
	ATOM 13349 CA SER D 316	49.393	19.910	-51.565	1.00	48.57	D	ATOM 13434 N LYS D 327	36.756	12.435	-58.733	1.00		

65251/C766

1	ATOM 13441 C LYS D 327	35.900	10.535	-60.147	1.00	99.15	D	ATOM 13526 CG LYS D 339	57.251	2.040	-78.227	1.00	99.11	D
	ATOM 13442 O LYS D 327	36.426	10.052	-61.152	1.00	99.15	D	ATOM 13527 CD LYS D 339	56.172	2.362	-79.253	1.00	99.11	D
	ATOM 13443 N GLY D 328	34.590	10.682	-60.037	1.00	39.83	D	ATOM 13528 CE LYS D 339	54.989	1.403	-79.119	1.00	99.11	D
	ATOM 13444 CA GLY D 328	33.760	10.216	-61.133	1.00	39.83	D	ATOM 13529 NZ LYS D 339	53.824	1.807	-79.952	1.00	99.11	D
	ATOM 13445 C GLY D 328	33.465	11.164	-62.290	1.00	39.83	D	ATOM 13530 C LYS D 339	60.105	4.301	-76.890	1.00	75.15	D
	ATOM 13446 O GLY D 328	33.174	10.718	-63.397	1.00	39.83	D	ATOM 13531 O LYS D 339	59.857	5.501	-77.018	1.00	67.81	D
	ATOM 13447 N LYS D 329	33.556	12.472	-62.065	1.00	47.04	D	ATOM 13532 N VAL D 340	61.340	3.830	-76.772	1.00	68.34	D
	ATOM 13448 CA LYS D 329	33.221	13.421	-63.118	1.00	47.04	D	ATOM 13533 CA VAL D 340	62.495	4.720	-76.855	1.00	65.77	D
	ATOM 13449 CB LYS D 329	32.553	14.639	-62.478	1.00	176.74	D	ATOM 13534 CB VAL D 340	63.489	4.474	-75.708	1.00	50.49	D
5	ATOM 13450 CG LYS D 329	31.225	14.315	-61.814	1.00	176.74	D	ATOM 13535 CG1 VAL D 340	64.666	5.421	-75.831	1.00	35.95	D
	ATOM 13451 CD LYS D 329	30.414	15.573	-61.615	1.00	176.74	D	ATOM 13536 CG2 VAL D 340	62.811	4.674	-74.389	1.00	35.95	D
	ATOM 13452 CE LYS D 329	29.047	15.290	-61.029	1.00	66.50	D	ATOM 13537 C VAL D 340	63.210	4.425	-78.167	1.00	68.34	D
	ATOM 13453 NZ LYS D 329	28.279	16.575	-60.918	1.00	66.50	D	ATOM 13538 O VAL D 340	63.579	3.292	-78.409	1.00	65.19	D
	ATOM 13454 C LYS D 329	34.250	13.884	-64.158	1.00	47.04	D	ATOM 13539 N THR D 341	63.408	5.433	-79.008	1.00	73.35	D
	ATOM 13455 O LYS D 329	34.014	14.863	-64.852	1.00	47.04	D	ATOM 13540 CA THR D 341	64.075	5.216	-80.287	1.00	69.25	D
	ATOM 13456 N ILE D 330	35.378	13.199	-64.301	1.00	36.69	D	ATOM 13541 CB THR D 341	63.226	5.752	-81.451	1.00	127.99	D
	ATOM 13457 CA ILE D 330	36.371	13.620	-65.310	1.00	36.69	D	ATOM 13542 OG1 THR D 341	61.968	5.074	-81.469	1.00	109.35	D
	ATOM 13458 CB ILE D 330	37.539	14.457	-64.685	1.00	33.98	D	ATOM 13543 CG2 THR D 341	63.931	5.523	-82.779	1.00	109.35	D
	ATOM 13459 CG2 ILE D 330	36.980	15.668	-63.917	1.00	34.90	D	ATOM 13544 C THR D 341	65.443	5.880	-80.342	1.00	71.40	D
10	ATOM 13460 CG1 ILE D 330	38.388	13.584	-63.762	1.00	34.90	D	ATOM 13545 O THR D 341	65.656	6.961	-79.782	1.00	73.00	D
	ATOM 13461 CD1 ILE D 330	39.702	14.209	-63.431	1.00	34.90	D	ATOM 13546 N GLY D 342	66.368	5.226	-81.032	1.00	131.96	D
	ATOM 13462 C ILE D 330	36.960	12.399	-66.024	1.00	36.69	D	ATOM 13547 CA GLY D 342	67.703	5.769	-81.148	1.00	136.13	D
	ATOM 13463 O ILE D 330	36.723	11.265	-65.604	1.00	36.69	D	ATOM 13548 C GLY D 342	68.012	6.276	-82.539	1.00	135.10	D
	ATOM 13464 N PRO D 331	37.725	12.608	-67.114	1.00	35.18	D	ATOM 13549 O GLY D 342	68.870	5.721	-83.216	1.00	129.37	D
	ATOM 13465 CD PRO D 331	38.132	13.904	-67.674	1.00	41.22	D	ATOM 13550 N ASN D 343	67.315	7.323	-82.969	1.00	80.28	D
	ATOM 13466 CA PRO D 331	38.344	11.516	-67.883	1.00	35.18	D	ATOM 13551 CA ASN D 343	67.544	7.916	-84.288	1.00	86.69	D
	ATOM 13467 CB PRO D 331	39.366	12.237	-68.736	1.00	185.20	D	ATOM 13552 CB ASN D 343	66.475	8.966	-84.599	1.00	171.53	D
	ATOM 13468 CG PRO D 331	38.694	13.481	-69.023	1.00	41.22	D	ATOM 13553 CG ASN D 343	65.068	8.436	-84.434	1.00	151.33	D
	ATOM 13469 C PRO D 331	38.999	10.502	-66.972	1.00	35.18	D	ATOM 13554 OD1 ASN D 343	64.659	7.502	-85.124	1.00	151.33	D
	ATOM 13470 O PRO D 331	39.703	10.861	-66.017	1.00	35.18	D	ATOM 13555 ND2 ASN D 343	64.316	9.034	-83.514	1.00	151.33	D
	ATOM 13471 N LYS D 332	38.771	9.226	-67.251	1.00	45.78	D	ATOM 13556 C ASN D 343	68.910	8.600	-84.264	1.00	84.75	D
15	ATOM 13472 CA LYS D 332	39.352	8.164	-66.435	1.00	46.40	D	ATOM 13557 O ASN D 343	69.699	8.388	-83.345	1.00	73.38	D
	ATOM 13473 CB LYS D 332	38.696	6.833	-66.778	1.00	95.87	D	ATOM 13558 N GLU D 344	69.188	9.421	-85.271	1.00	108.32	D
	ATOM 13474 CG LYS D 332	38.880	6.463	-68.226	1.00	67.41	D	ATOM 13559 CA GLU D 344	70.454	10.149	-85.332	1.00	108.32	D
	ATOM 13475 CD LYS D 332	38.691	4.986	-68.444	1.00	67.41	D	ATOM 13560 CB GLU D 344	71.589	9.210	-85.749	1.00	175.62	D
	ATOM 13476 CE LYS D 332	39.099	4.589	-69.851	1.00	67.41	D	ATOM 13561 CG GLU D 344	72.239	8.519	-84.551	1.00	155.52	D
	ATOM 13477 NZ LYS D 332	39.023	3.108	-70.026	1.00	67.41	D	ATOM 13562 CD GLU D 344	73.243	7.454	-84.935	1.00	155.52	D
	ATOM 13478 C LYS D 332	40.857	8.067	-66.695	1.00	45.47	D	ATOM 13563 OE1 GLU D 344	72.820	6.367	-85.380	1.00	155.52	D
	ATOM 13479 O LYS D 332	41.343	8.511	-67.737	1.00	43.56	D	ATOM 13564 OE2 GLU D 344	74.457	7.705	-84.792	1.00	155.52	D
	ATOM 13480 N ASP D 333	41.593	7.487	-65.750	1.00	50.62	D	ATOM 13565 C GLU D 344	70.362	11.362	-86.256	1.00	108.32	D
	ATOM 13481 CA ASP D 333	43.031	7.323	-65.917	1.00	50.08	D	ATOM 13566 O GLU D 344	70.288	11.235	-87.480	1.00	108.32	D
	ATOM 13482 CB ASP D 333	43.649	6.720	-64.660	1.00	131.68	D	ATOM 13567 N LEU D 345	70.368	12.541	-85.635	1.00	198.22	D
20	ATOM 13483 CG ASP D 333	44.080	7.770	-63.666	1.00	99.27	D	ATOM 13568 CA LEU D 345	70.237	13.817	-86.333	1.00	198.22	D
	ATOM 13484 OD1 ASP D 333	43.372	8.789	-63.526	1.00	99.27	D	ATOM 13569 CB LEU D 345	69.861	14.915	-85.323	1.00	190.50	D
	ATOM 13485 OD2 ASP D 333	45.125	7.575	-63.012	1.00	99.27	D	ATOM 13570 CG LEU D 345	68.540	14.752	-84.547	1.00	143.29	D
	ATOM 13486 C ASP D 333	43.294	6.406	-67.108	1.00	53.93	D	ATOM 13571 CD1 LEU D 345	68.316	15.965	-83.647	1.00	143.29	D
	ATOM 13487 O ASP D 333	42.580	5.429	-67.329	1.00	53.58	D	ATOM 13572 CD2 LEU D 345	67.373	14.598	-85.514	1.00	143.29	D
	ATOM 13488 N THR D 334	44.321	6.727	-67.879	1.00	42.54	D	ATOM 13573 C LEU D 345	71.413	14.284	-87.199	1.00	198.22	D
	ATOM 13489 CA THR D 334	44.665	5.921	-69.037	1.00	42.26	D	ATOM 13574 O LEU D 345	71.679	15.481	-87.305	1.00	198.22	D
	ATOM 13490 CB THR D 334	44.161	6.580	-70.340	1.00	68.31	D	ATOM 13575 N GLU D 346	72.112	13.337	-87.815	1.00	147.13	D
	ATOM 13491 OG1 THR D 334	42.743	6.435	-70.419	1.00	54.21	D	ATOM 13576 CA GLU D 346	73.227	13.627	-88.722	1.00	147.13	D
	ATOM 13492 CG2 THR D 334	44.792	5.944	-71.560	1.00	54.21	D	ATOM 13577 CB GLU D 346	72.695	14.427	-89.909	1.00	145.32	D
	ATOM 13493 C THR D 334	46.169	5.728	-69.117	1.00	48.70	D	ATOM 13578 CG GLU D 346	71.369	13.886	-90.403	1.00	130.75	D
25	ATOM 13494 O THR D 334	46.931	6.695	-69.209	1.00	46.06	D	ATOM 13579 CD GLU D 346	71.044	14.310	-91.815	1.00	130.75	D
	ATOM 13495 N THR D 335	46.589	4.468	-69.087	1.00	46.52	D	ATOM 13580 OE1 GLU D 346	71.764	13.880	-92.740	1.00	130.75	D
	ATOM 13496 CA THR D 335	48.003	4.141	-69.158	1.00	46.31	D	ATOM 13581 OE2 GLU D 346	70.070	15.071	-92.002	1.00	130.75	D
	ATOM 13497 CB THR D 335	48.240	2.739	-68.682	1.00	58.95	D	ATOM 13582 C GLU D 346	74.508	14.287	-88.194	1.00	147.13	D
	ATOM 13498 OG1 THR D 335	47.526	2.534	-67.460	1.00	48.31	D	ATOM 13583 O GLU D 346	75.533	13.618	-88.062	1.00	147.13	D
	ATOM 13499 CG2 THR D 335	49.709	2.532	-68.435	1.00	48.31	D	ATOM 13584 N ASP D 347	74.466	15.587	-87.909	1.00	162.59	D
	ATOM 13500 C THR D 335	48.588	4.286	-70.555	1.00	47.17	D	ATOM 13585 CA ASP D 347	75.660	16.283	-87.420	1.00	162.59	D
	ATOM 13501 O THR D 335	48.023	3.822	-71.539	1.00	48.52	D	ATOM 13586 CB ASP D 347	75.388	17.786	-87.269	1.00	173.29	D
	ATOM 13502 N PRO D 336	49.754	4.915	-70.656	1.00	45.40	D	ATOM 13587 CG ASP D 347	74.718	18.134	-85.951	1.00	173.29	D
	ATOM 13503 CD PRO D 336	50.565	5.515	-69.583	1.00	31.16	D	ATOM 13588 OD1 ASP D 347	73.589	17.659	-85.713	1.00	173.29	D
	ATOM 13504 CA PRO D 336	50.385	5.112	-71.957	1.00	44.98	D	ATOM 13589 OD2 ASP D 347	75.325	18.883	-85.153	1.00	173.29	D
30	ATOM 13505 CB PRO D 336	51.277	6.312	-71.707	1.00	40.02	D	ATOM 13590 C ASP D 347	76.179	15.720	-86.092	1.00	162.59	D
	ATOM 13506 CG PRO D 336	51.812	5.970	-70.335	1.00	31.16	D	ATOM 13591 O ASP D 347	77.391	15.647	-85.869	1.00	162.59	D
	ATOM 13507 C PRO D 336	51.197	3.925	-72.456	1.00	45.02	D	ATOM 13592 N GLY D 348	75.257	15.332	-85.214	1.00	117.12	D
	ATOM 13508 O PRO D 336	51.386	2.934	-71.754	1.00	45.65	D							
	ATOM 13509 N THR D 337	51.680	4.069	-73.684	1.00	56.57	D							
	ATOM 13510 CA THR D 337	52.513	3.090	-74.349	1.00	60.03	D							
	ATOM 13511 CB THR D 337	51.960	2.765	-75.738	1.00	112.37	D							
	ATOM 13512 OG1 THR D 337	50.783	1.968	-75.603	1.00	63.26	D							
	ATOM 13513 CG2 THR D 337	52.979	2.017	-76.565	1.00	63.26	D							
	ATOM 13514 C THR D 337	53.835	3.819	-74.508	1.00	67.60	D							
	ATOM 13515 O THR D 337	53.865	4.965	-74.963	1.00	58.98	D							
	ATOM 13516 N VAL D 338	54.930	3.178	-74.131	1.00	47.11	D							
	ATOM 13517 CA VAL D 338	56.218	3.841	-74.259	1.00	53.97	D							
35	ATOM 13518 CB VAL D 338	56.903	4.017	-72.882	1.00	51.74	D							
	ATOM 13519 CG1 VAL D 338	58.121	4.938	-73.018	1.00	51.36	D							

65251/C766

1	ATOM 13593 CA GLY D 348	75.638	14.773	-83.929	1.00114.43	D	ATOM 13678 CZ PHE D 359	51.321	12.554	-72.010	1.00 41.46	D
	ATOM 13594 C GLY D 348	75.591	13.256	-83.954	1.00111.39	D	ATOM 13679 C PHE D 359	46.894	9.780	-70.797	1.00 39.64	D
	ATOM 13595 O GLY D 348	74.764	12.667	-84.652	1.00106.40	D	ATOM 13680 O PHE D 359	46.831	10.860	-71.384	1.00 37.19	D
	ATOM 13596 N ASN D 349	76.473	12.619	-83.188	1.00200.84	D	ATOM 13681 N TYR D 360	46.092	9.499	-69.765	1.00106.28	D
	ATOM 13597 CA ASN D 349	76.524	11.164	-83.151	1.00200.84	D	ATOM 13682 CA TYR D 360	45.155	10.548	-69.409	1.00106.06	D
	ATOM 13598 CB ASN D 349	77.495	10.686	-82.059	1.00176.83	D	D					
	ATOM 13599 CG ASN D 349	77.488	11.574	-80.831	1.00162.01	D	ATOM 13683 CB TYR D 360	43.849	10.091	-68.763	1.00157.25	D
	ATOM 13600 OD1 ASN D 349	77.827	12.758	-80.896	1.00162.01	D	ATOM 13684 CG TYR D 360	43.115	11.348	-68.287	1.00 44.39	D
	ATOM 13601 ND2 ASN D 349	77.109	11.001	-79.697	1.00162.01	D	ATOM 13685 CD1 TYR D 360	42.997	12.465	-69.129	1.00 44.39	D
	ATOM 13602 C ASN D 349	75.159	10.488	-82.996	1.00200.84	D	D					
5	ATOM 13603 O ASN D 349	74.552	10.101	-83.991	1.00200.84	D	ATOM 13686 CE1 TYR D 360	42.509	13.692	-68.654	1.00 44.39	D
	ATOM 13604 N MET D 350	74.664	10.362	-81.769	1.00143.27	D	ATOM 13687 CD2 TYR D 360	42.699	11.493	-66.956	1.00 44.39	D
	ATOM 13605 CA MET D 350	73.380	9.698	-81.550	1.00139.36	D	D					
	ATOM 13606 CB MET D 350	73.613	8.416	-80.741	1.00173.14	D	ATOM 13688 CE2 TYR D 360	42.198	12.717	-66.474	1.00 44.39	D
	ATOM 13607 CG MET D 350	72.358	7.624	-80.425	1.00127.82	D	ATOM 13689 CZ TYR D 360	42.111	13.812	-67.328	1.00 44.39	D
	ATOM 13608 SD MET D 350	72.718	6.067	-79.592	1.00127.82	D	ATOM 13690 OH TYR D 360	41.639	15.029	-66.867	1.00 44.39	D
	ATOM 13609 CE MET D 350	72.523	4.917	-80.958	1.00127.82	D	ATOM 13691 C TYR D 360	45.642	11.691	-68.566	1.00107.15	D
	ATOM 13610 C MET D 350	72.307	10.555	-80.868	1.00136.50	D	ATOM 13692 O TYR D 360	45.937	12.748	-69.106	1.00113.08	D
	ATOM 13611 O MET D 350	72.617	11.517	-80.169	1.00132.93	D	ATOM 13693 N PRO D 361	45.702	11.525	-67.237	1.00 54.84	D
	ATOM 13612 N THR D 351	71.042	10.194	-81.087	1.00 77.86	D	ATOM 13694 CD PRO D 361	45.877	10.301	-66.439	1.00 32.45	D
10	ATOM 13613 CA THR D 351	69.904	10.896	-80.489	1.00 75.82	D	ATOM 13695 CA PRO D 361	46.175	12.732	-66.537	1.00 50.43	D
	ATOM 13614 CB THR D 351	69.199	11.806	-81.512	1.00 81.65	D	ATOM 13696 CB PRO D 361	46.491	12.228	-65.126	1.00 31.69	D
	ATOM 13615 OG1 THR D 351	68.669	12.941	-80.837	1.00 48.77	D	ATOM 13697 CG PRO D 361	46.798	10.777	-65.330	1.00 32.45	D
	ATOM 13616 CG2 THR D 351	68.028	11.103	-82.164	1.00 48.77	D	ATOM 13698 C PRO D 361	47.349	13.253	-67.361	1.00 57.83	D
	ATOM 13617 C THR D 351	68.871	9.903	-79.941	1.00 70.05	D	ATOM 13699 O PRO D 361	48.372	12.600	-67.501	1.00 55.00	D
	ATOM 13618 O THR D 351	68.506	8.934	-80.611	1.00 61.64	D	ATOM 13700 N PRO D 362	47.160	14.421	-67.991	1.00 35.69	D
	ATOM 13619 N LEU D 352	68.400	10.141	-78.722	1.00 73.84	D	ATOM 13701 CD PRO D 362	45.976	15.277	-67.770	1.00 26.51	D
	ATOM 13620 CA LEU D 352	67.410	9.259	-78.113	1.00 76.86	D	ATOM 13702 CA PRO D 362	48.138	15.094	-68.857	1.00 29.40	D
	ATOM 13621 CB LEU D 352	67.874	8.803	-76.737	1.00 95.71	D	ATOM 13703 CB PRO D 362	47.381	16.347	-69.322	1.00 26.51	D
	ATOM 13622 CG LEU D 352	68.890	7.666	-76.838	1.00 76.77	D	ATOM 13704 CG PRO D 362	46.477	16.637	-68.182	1.00 26.51	D
15	ATOM 13623 CD1 LEU D 352	69.546	7.407	-75.495	1.00 76.77	D	ATOM 13705 C PRO D 362	49.526	15.397	-68.317	1.00 32.00	D
	ATOM 13624 CD2 LEU D 352	68.183	6.424	-77.337	1.00 76.77	D	ATOM 13706 O PRO D 362	50.439	15.702	-69.085	1.00 36.76	D
	ATOM 13625 C LEU D 352	66.068	9.944	-78.009	1.00 73.54	D	ATOM 13707 N ASP D 363	49.685	15.315	-67.001	1.00 36.69	D
	ATOM 13626 O LEU D 352	65.978	11.114	-77.627	1.00 69.16	D	ATOM 13708 CA ASP D 363	50.984	15.581	-66.399	1.00 36.54	D
	ATOM 13627 N GLU D 353	65.022	9.207	-78.357	1.00 69.89	D	ATOM 13709 CB ASP D 363	50.847	15.992	-64.913	1.00 60.57	D
	ATOM 13628 CA GLU D 353	63.673	9.750	-78.337	1.00 66.14	D	ATOM 13710 CG ASP D 363	49.899	15.091	-64.117	1.00 54.78	D
	ATOM 13629 CB GLU D 353	63.170	9.932	-79.767	1.00132.82	D	ATOM 13711 OD1 ASP D 363	48.711	14.962	-64.510	1.00 54.78	D
	ATOM 13630 CG GLU D 353	61.788	10.520	-79.861	1.00 91.37	D	ATOM 13712 OD2 ASP D 363	50.340	14.526	-63.084	1.00 54.78	D
	ATOM 13631 CD GLU D 353	61.303	10.583	-81.283	1.00 91.37	D	ATOM 13713 C ASP D 363	51.879	14.364	-66.549	1.00 40.08	D
	ATOM 13632 OE1 GLU D 353	61.999	11.197	-82.122	1.00 91.37	D	ATOM 13714 O ASP D 363	51.515	13.256	-66.155	1.00 36.58	D
20	ATOM 13633 OE2 GLU D 353	60.229	10.016	-81.564	1.00 91.37	D	ATOM 13715 N VAL D 364	53.031	14.569	-67.171	1.00 36.51	D
	ATOM 13634 C GLU D 353	62.715	8.852	-77.566	1.00 69.39	D	ATOM 13716 CA VAL D 364	53.993	13.504	-67.357	1.00 38.83	D
	ATOM 13635 O GLU D 353	62.439	7.726	-77.961	1.00 70.17	D	ATOM 13717 CB VAL D 364	53.893	12.865	-68.745	1.00 55.88	D
	ATOM 13636 N CYS D 354	62.216	9.367	-76.454	1.00 55.62	D	ATOM 13718 CG1 VAL D 364	55.154	12.144	-69.064	1.00 34.27	D
	ATOM 13637 CA CYS D 354	61.280	8.647	-75.609	1.00 55.90	D	D					
	ATOM 13638 C CYS D 354	59.899	9.150	-75.989	1.00 56.99	D	ATOM 13719 CG2 VAL D 364	52.785	11.860	-68.761	1.00 34.27	D
	ATOM 13639 O CYS D 354	59.633	10.359	-75.922	1.00 55.69	D	D					
	ATOM 13640 CB CYS D 354	61.552	8.990	-74.152	1.00108.85	D	ATOM 13720 C VAL D 364	55.364	14.108	-67.210	1.00 46.17	D
	ATOM 13641 SG CYS D 354	60.768	7.904	-72.923	1.00 86.04	D	ATOM 13721 O VAL D 364	55.601	15.236	-67.647	1.00 37.91	D
	ATOM 13642 N THR D 355	59.021	8.251	-76.414	1.00 65.31	D	ATOM 13722 N ILE D 365	56.258	13.373	-66.567	1.00 51.33	D
25	ATOM 13643 CA THR D 355	57.682	8.691	-76.773	1.00 54.67	D	ATOM 13723 CA ILE D 365	57.613	13.847	-66.405	1.00 45.38	D
	ATOM 13644 CB THR D 355	57.365	8.481	-78.273	1.00 92.66	D	ATOM 13724 CB ILE D 365	57.899	14.317	-64.981	1.00 49.77	D
	ATOM 13645 OG1 THR D 355	56.613	7.281	-78.427	1.00 41.81	D	ATOM 13725 CG2 ILE D 365	59.376	14.609	-64.825	1.00 26.21	D
	ATOM 13646 CG2 THR D 355	58.626	8.364	-79.091	1.00 41.81	D	ATOM 13726 CG1 ILE D 365	57.091	15.590	-64.705	1.00 26.21	D
	ATOM 13647 C THR D 355	56.647	7.952	-75.939	1.00 68.16	D	ATOM 13727 CD1 ILE D 365	57.280	16.167	-63.334	1.00 26.21	D
	ATOM 13648 O THR D 355	56.645	6.718	-75.873	1.00 60.96	D	ATOM 13728 C ILE D 365	58.540	12.731	-66.800	1.00 52.14	D
	ATOM 13649 N VAL D 356	55.779	8.727	-75.295	1.00 40.81	D	ATOM 13729 O ILE D 365	58.260	11.549	-66.590	1.00 52.91	D
	ATOM 13650 CA VAL D 356	54.729	8.192	-74.444	1.00 36.53	D	ATOM 13730 N THR D 366	59.656	13.133	-67.384	1.00 55.43	D
	ATOM 13651 CB VAL D 356	54.761	8.892	-73.075	1.00 69.04	D	ATOM 13731 CA THR D 366	60.628	12.202	-67.893	1.00 63.71	D
	ATOM 13652 CG1 VAL D 356	53.872	8.173	-72.095	1.00 53.57	D	ATOM 13732 CB THR D 366	60.613	12.292	-69.431	1.00 59.26	D
30	ATOM 13653 CG2 VAL D 356	56.181	8.918	-72.555	1.00 53.57	D	ATOM 13733 OG1 THR D 366	60.314	11.008	-69.972	1.00 46.94	D
	ATOM 13654 C VAL D 356	53.399	8.432	-75.156	1.00 45.37	D	D					
	ATOM 13655 O VAL D 356	53.030	9.570	-75.448	1.00 46.48	D	ATOM 13734 CG2 THR D 366	61.935	12.803	-69.974	1.00 46.94	D
	ATOM 13656 N ASN D 357	52.683	7.348	-75.431	1.00 54.70	D	D					
	ATOM 13657 CA ASN D 357	51.434	7.441	-76.167	1.00 50.92	D	ATOM 13735 C THR D 366	62.021	12.463	-67.362	1.00 72.69	D
	ATOM 13658 CB ASN D 357	51.432	6.431	-77.303	1.00119.35	D	ATOM 13736 O THR D 366	62.465	13.604	-67.298	1.00 71.93	D
	ATOM 13659 CG ASN D 357	52.495	6.722	-78.313	1.00 73.27	D	ATOM 13737 N LYS D 367	62.703	11.391	-66.977	1.00 49.75	D
	ATOM 13660 OD1 ASN D 357	52.572	7.826	-78.837	1.00 73.27	D	ATOM 13738 CA LYS D 367	64.071	11.482	-66.483	1.00 52.95	D
	ATOM 13661 ND2 ASN D 357	53.334	5.741	-78.590	1.00 73.27	D	ATOM 13739 CB LYS D 367	64.157	11.089	-65.010	1.00 56.66	D
	ATOM 13662 C ASN D 357	50.134	7.329	-75.411	1.00 55.08	D	ATOM 13740 CG LYS D 367	63.577	12.118	-64.074	1.00 47.67	D
35	ATOM 13663 O ASN D 357	49.903	6.383	-74.660	1.00 57.96	D	ATOM 13741 CD LYS D 367	63.894	11.823	-62.612	1.00 47.67	D
	ATOM 13664 N SER D 358	49.283	8.319	-75.676	1.00 55.37	D	ATOM 13742 CE LYS D 367	63.472	12.996	-61.752	1.00 47.67	D
	ATOM 13665 CA SER D 358	47.961	8.476	-75.091	1.00 62.67	D	ATOM 13743 NZ LYS D 367	64.043	12.910	-60.391	1.00 47.67	D
	ATOM 13666 CB SER D 358	46.909	7.819	-75.988	1.00 63.02	D	ATOM 13744 C LYS D 367	64.983	10.568	-67.283	1.00 55.65	D
	ATOM 13667 OG SER D 3											

65251/C766

1	ATOM 13756 CZ3 TRP D 368	66.272	8.423	-73.273	1.00	47.29	D	ATOM 13841 CD2 TYR D 378	67.530	-0.648	-66.995	1.00	70.52	D
	ATOM 13757 CH2 TRP D 368	65.179	8.959	-73.983	1.00	47.29	D	ATOM 13842 CE2 TYR D 378	68.789	-0.568	-67.582	1.00	70.52	D
	ATOM 13758 C TRP D 368	68.258	10.024	-67.569	1.00	54.66	D	ATOM 13843 CZ TYR D 378	69.467	-1.724	-67.897	1.00	70.52	D
	ATOM 13759 O TRP D 368	68.954	10.924	-67.094	1.00	54.85	D	ATOM 13844 OH TYR D 378	70.725	-1.635	-68.441	1.00	70.52	D
5	ATOM 13760 N ILE D 369	68.461	8.737	-67.307	1.00	44.25	D	ATOM 13845 C TYR D 378	64.474	-1.414	-63.827	1.00	78.89	D
	ATOM 13761 CA ILE D 369	69.519	8.287	-66.411	1.00	45.62	D	ATOM 13846 O TYR D 378	63.413	-1.442	-64.453	1.00	78.89	D
	ATOM 13762 CB ILE D 369	68.902	7.668	-65.162	1.00	66.79	D	ATOM 13847 N LYS D 379	64.573	-1.041	-62.555	1.00	56.93	D
	ATOM 13763 CG2 ILE D 369	69.979	7.274	-64.189	1.00	44.47	D	ATOM 13848 CA LYS D 379	63.452	-0.585	-61.747	1.00	56.93	D
10	ATOM 13764 CG1 ILE D 369	67.945	8.669	-64.521	1.00	44.47	D	ATOM 13849 CB LYS D 379	63.054	-1.634	-60.710	1.00	91.14	D
	ATOM 13765 CD1 ILE D 369	67.166	8.100	-63.374	1.00	44.47	D	ATOM 13850 CG LYS D 379	62.465	-2.901	-61.285	1.00	91.14	D
	ATOM 13766 C ILE D 369	70.417	7.252	-67.076	1.00	47.44	D	ATOM 13851 CD LYS D 379	62.128	-3.876	-60.170	1.00	91.14	D
	ATOM 13767 O ILE D 369	69.931	6.329	-67.726	1.00	44.24	D	ATOM 13852 CE LYS D 379	61.705	-5.240	-60.700	1.00	91.14	D
15	ATOM 13768 N GLU D 370	71.728	7.407	-66.922	1.00	53.66	D	ATOM 13853 NZ LYS D 379	61.557	-6.228	-59.583	1.00	91.14	D
	ATOM 13769 CA GLU D 370	72.655	6.454	-67.512	1.00	56.31	D	ATOM 13854 C LYS D 379	63.950	0.681	-61.038	1.00	56.93	D
	ATOM 13770 CB GLU D 370	74.090	6.885	-67.227	1.00	123.61	D	ATOM 13855 O LYS D 379	65.090	0.740	-60.573	1.00	56.93	D
	ATOM 13771 CG GLU D 370	74.519	8.032	-68.119	1.00	102.25	D	ATOM 13856 N TYR D 380	63.102	1.703	-60.983	1.00	52.33	D
20	ATOM 13772 CD GLU D 370	75.824	8.653	-67.698	1.00	102.25	D	ATOM 13857 CA TYR D 380	63.453	2.956	-60.324	1.00	52.33	D
	ATOM 13773 OE1 GLU D 370	76.791	7.897	-67.454	1.00	102.25	D	ATOM 13858 CB TYR D 380	62.681	4.099	-60.961	1.00	40.36	D
	ATOM 13774 OE2 GLU D 370	75.883	9.901	-67.622	1.00	102.25	D	ATOM 13859 CG TYR D 380	63.054	5.448	-60.426	1.00	40.36	D
	ATOM 13775 C GLU D 370	72.353	5.067	-66.949	1.00	56.49	D	ATOM 13860 CD1 TYR D 380	64.119	6.165	-60.976	1.00	40.36	D
25	ATOM 13776 O GLU D 370	72.185	4.907	-65.738	1.00	55.34	D	ATOM 13861 CE1 TYR D 380	64.448	7.429	-60.508	1.00	40.36	D
	ATOM 13777 N SER D 371	72.265	4.071	-67.829	1.00	47.76	D	ATOM 13862 CD2 TYR D 380	62.328	6.028	-59.380	1.00	40.36	D
	ATOM 13778 CA SER D 371	71.938	2.708	-67.416	1.00	48.30	D	ATOM 13863 CE2 TYR D 380	62.647	7.298	-58.900	1.00	40.36	D
	ATOM 13779 CB SER D 371	71.873	1.799	-68.636	1.00	72.01	D	ATOM 13864 CZ TYR D 380	63.705	7.994	-59.472	1.00	40.36	D
30	ATOM 13780 OG SER D 371	73.108	1.804	-69.317	1.00	61.09	D	ATOM 13865 OH TYR D 380	63.987	9.266	-59.033	1.00	40.36	D
	ATOM 13781 C SER D 371	72.843	2.067	-66.369	1.00	47.57	D	ATOM 13866 C TYR D 380	63.054	2.829	-58.862	1.00	52.33	D
	ATOM 13782 O SER D 371	72.416	1.141	-65.673	1.00	48.51	D	ATOM 13867 O TYR D 380	61.871	2.783	-58.542	1.00	52.33	D
	ATOM 13783 N GLU D 372	74.088	2.534	-66.265	1.00	56.33	D	ATOM 13868 N VAL D 381	64.035	2.766	-57.976	1.00	45.05	D
35	ATOM 13784 CA GLU D 372	75.021	1.984	-65.283	1.00	54.88	D	ATOM 13869 CA VAL D 381	63.754	2.617	-56.556	1.00	45.05	D
	ATOM 13785 CB GLU D 372	76.342	2.753	-65.309	1.00	116.17	D	ATOM 13870 CB VAL D 381	64.959	1.995	-55.823	1.00	25.93	D
	ATOM 13786 CG GLU D 372	76.186	4.238	-65.047	1.00	116.17	D	ATOM 13871 CG1 VAL D 381	64.620	1.760	-54.358	1.00	25.93	D
	ATOM 13787 CD GLU D 372	77.502	4.922	-64.748	1.00	116.17	D	ATOM 13872 CG2 VAL D 381	65.326	0.687	-56.504	1.00	25.93	D
40	ATOM 13788 OE1 GLU D 372	78.133	4.560	-63.735	1.00	116.17	D	ATOM 13873 C VAL D 381	63.407	3.963	-55.928	1.00	45.05	D
	ATOM 13789 OE2 GLU D 372	77.905	5.820	-65.520	1.00	116.17	D	ATOM 13874 O VAL D 381	64.212	4.895	-55.949	1.00	45.05	D
	ATOM 13790 C GLU D 372	74.416	2.064	-63.879	1.00	59.49	D	ATOM 13875 N ASN D 382	62.214	4.046	-55.348	1.00	70.31	D
	ATOM 13791 O GLU D 372	74.554	1.141	-63.074	1.00	60.56	D	ATOM 13876 CA ASN D 382	61.734	5.285	-54.756	1.00	70.31	D
45	ATOM 13792 N HIS D 373	73.724	3.168	-63.604	1.00	73.85	D	ATOM 13877 CB ASN D 382	60.613	5.013	-53.775	1.00	40.43	D
	ATOM 13793 CA HIS D 373	73.107	3.401	-62.308	1.00	77.34	D	ATOM 13878 CG ASN D 382	59.714	6.221	-53.567	1.00	40.43	D
	ATOM 13794 CB HIS D 373	72.576	4.821	-62.244	1.00	85.76	D	ATOM 13879 OD1 ASN D 382	60.146	7.372	-53.659	1.00	40.43	D
	ATOM 13795 CG HIS D 373	73.641	5.857	-62.383	1.00	55.11	D	ATOM 13880 ND2 ASN D 382	58.448	5.952	-53.264	1.00	40.43	D
50	ATOM 13796 CD2 HIS D 373	73.759	6.907	-63.232	1.00	55.11	D	ATOM 13881 C ASN D 382	62.756	6.168	-54.064	1.00	70.31	D
	ATOM 13797 ND1 HIS D 373	74.756	5.890	-61.573	1.00	55.11	D	ATOM 13882 O ASN D 382	63.223	7.145	-54.644	1.00	70.31	D
	ATOM 13798 CE1 HIS D 373	75.517	6.917	-61.916	1.00	55.11	D	ATOM 13883 N GLY D 383	63.116	5.859	-52.826	1.00	32.01	D
	ATOM 13799 NE2 HIS D 373	74.934	7.551	-62.921	1.00	55.11	D	ATOM 13884 CA GLY D 383	64.059	6.752	-52.162	1.00	32.01	D
55	ATOM 13800 C HIS D 373	72.005	2.431	-61.925	1.00	73.11	D	ATOM 13885 C GLY D 383	65.515	6.774	-52.633	1.00	32.01	D
	ATOM 13801 O HIS D 373	71.524	2.457	-60.801	1.00	68.95	D	ATOM 13886 O GLY D 383	66.331	7.493	-52.078	1.00	32.01	D
	ATOM 13802 N PHE D 374	71.589	1.575	-62.843	1.00	55.67	D	ATOM 13887 N ARG D 384	65.856	5.993	-53.651	1.00	53.61	D
	ATOM 13803 CA PHE D 374	70.558	0.618	-62.499	1.00	56.44	D	ATOM 13888 CA ARG D 384	67.239	5.938	-54.106	1.00	53.61	D
60	ATOM 13804 CB PHE D 374	69.527	0.498	-63.615	1.00	65.54	D	ATOM 13889 CB ARG D 384	67.446	4.699	-54.987	1.00	54.60	D
	ATOM 13805 CG PHE D 374	68.632	1.683	-63.714	1.00	45.72	D	ATOM 13890 CG ARG D 384	68.902	4.409	-55.360	1.00	54.60	D
	ATOM 13806 CD1 PHE D 374	69.045	2.827	-64.384	1.00	45.72	D	ATOM 13891 CD ARG D 384	69.025	2.987	-55.897	1.00	54.60	D
	ATOM 13807 CD2 PHE D 374	67.411	1.697	-63.064	1.00	45.72	D	ATOM 13892 NE ARG D 384	68.612	2.023	-54.885	1.00	54.60	D
65	ATOM 13808 CE1 PHE D 374	68.255	3.968	-64.398	1.00	45.72	D	ATOM 13893 CZ ARG D 384	68.432	0.733	-55.110	1.00	54.60	D
	ATOM 13809 CE2 PHE D 374	66.619	2.832	-63.073	1.00	45.72	D	ATOM 13894 NH1 ARG D 384	68.626	0.235	-56.320	1.00	54.60	D
	ATOM 13810 CZ PHE D 374	67.042	3.970	-63.739	1.00	45.72	D	ATOM 13895 NH2 ARG D 384	68.058	-0.055	-54.118	1.00	54.60	D
	ATOM 13811 C PHE D 374	71.146	-0.744	-62.176	1.00	52.52	D	ATOM 13896 C ARG D 384	67.681	7.180	-54.848	1.00	53.61	D
70	ATOM 13812 O PHE D 374	70.417	-1.737	-62.052	1.00	50.76	D	ATOM 13897 O ARG D 384	66.887	7.842	-55.508	1.00	53.61	D
	ATOM 13813 N LYS D 375	72.467	-0.777	-62.021	1.00	98.43	D	ATOM 13898 N TYR D 385	68.961	7.494	-54.733	1.00	52.59	D
	ATOM 13814 CA LYS D 375	73.194	-1.998	-61.694	1.00	101.06	D	ATOM 13899 CA TYR D 385	69.532	8.640	-55.420	1.00	52.59	D
	ATOM 13815 CB LYS D 375	73.485	-2.059	-60.188	1.00	139.61	D	ATOM 13900 CB TYR D 385	70.745	9.142	-54.664	1.00	61.53	D
75	ATOM 13816 CG LYS D 375	74.673	-1.228	-59.713	1.00	113.45	D	ATOM 13901 CG TYR D 385	71.484	10.201	-55.423	1.00	61.53	D
	ATOM 13817 CD LYS D 375	74.403	0.264	-59.772	1.00	113.45	D	ATOM 13902 CD1 TYR D 385	70.995	11.503	-55.495	1.00	61.53	D
	ATOM 13818 CE LYS D 375	75.568	1.060	-59.181	1.00	113.45	D	ATOM 13903 CE1 TYR D 385	71.628	12.474	-56.271	1.00	61.53	D
	ATOM 13819 NZ LYS D 375	75.374	2.545	-59.263	1.00	113.45	D	ATOM 13904 CD2 TYR D 385	72.632	9.893	-56.142	1.00	61.53	D
80	ATOM 13820 C LYS D 375	72.488	-3.286	-62.115	1.00	106.08	D	ATOM 13905 CE2 TYR D 385	73.274	10.855	-56.924	1.00	61.53	D
	ATOM 13821 O LYS D 375	72.256	-4.166	-61.289	1.00	108.34	D	ATOM 13906 CZ TYR D 385	72.762	12.142	-56.982	1.00	61.53	D
	ATOM 13822 N GLY D 376	72.133	-3.391	-63.391	1.00	82.14	D	ATOM 13907 OH TYR D 385	73.367	13.100	-57.759	1.00	61.53	D
	ATOM 13823 CA GLY D 376	71.489	-4.605	-63.869	1.00	82								

65251/C766

1	ATOM 13924 CA PRO D 387	72.327	11.400	-61.158	1.00	58.54	D	ATOM 14009 C GLU D 396	60.921	22.618	-63.740	1.00	42.07	D
	ATOM 13925 CB PRO D 387	73.743	11.015	-61.555	1.00	97.17	D	ATOM 14010 O GLU D 396	59.747	22.984	-63.657	1.00	42.07	D
	ATOM 13926 CG PRO D 387	74.156	10.081	-60.456	1.00	97.17	D	ATOM 14011 N PRO D 397	61.247	21.366	-64.103	1.00	51.48	D
	ATOM 13927 C PRO D 387	71.383	11.427	-62.359	1.00	58.54	D	ATOM 14012 CD PRO D 397	62.555	20.695	-64.148	1.00	32.62	D
5	ATOM 13928 O PRO D 387	71.021	10.353	-62.852	1.00	58.54	D	ATOM 14013 CA PRO D 397	60.166	20.414	-64.381	1.00	51.48	D
	ATOM 13929 N GLU D 388	70.980	12.587	-62.870	1.00	85.17	D	ATOM 14014 CB PRO D 397	60.907	19.091	-64.547	1.00	32.62	D
	ATOM 13930 CA GLU D 388	70.014	12.497	-63.955	1.00	85.17	D	ATOM 14015 CG PRO D 397	62.182	19.303	-63.782	1.00	32.62	D
	ATOM 13931 CB GLU D 388	68.611	12.674	-63.372	1.00	100.41	D	ATOM 14016 C PRO D 397	59.162	20.405	-63.231	1.00	51.48	D
10	ATOM 13932 CG GLU D 388	68.313	14.072	-62.869	1.00	100.41	D	ATOM 14017 O PRO D 397	59.540	20.376	-62.053	1.00	51.48	D
	ATOM 13933 CD GLU D 388	66.844	14.271	-62.563	1.00	100.41	D	ATOM 14018 N GLY D 398	57.884	20.439	-63.575	1.00	46.65	D
	ATOM 13934 OE1 GLU D 388	66.023	14.090	-63.487	1.00	100.41	D	ATOM 14019 CA GLY D 398	56.852	20.495	-62.556	1.00	46.65	D
	ATOM 13935 OE2 GLU D 388	66.509	14.608	-61.407	1.00	100.41	D	ATOM 14020 C GLY D 398	56.090	21.806	-62.728	1.00	46.65	D
15	ATOM 13936 C GLU D 388	70.049	13.251	-65.277	1.00	85.17	D	ATOM 14021 O GLY D 398	54.859	21.842	-62.599	1.00	46.65	D
	ATOM 13937 O GLU D 388	69.009	13.340	-65.926	1.00	85.17	D	ATOM 14022 N GLU D 399	56.820	22.886	-63.020	1.00	36.01	D
	ATOM 13938 N TRP D 389	71.180	13.783	-65.720	1.00	70.99	D	ATOM 14023 CA GLU D 399	56.198	24.187	-63.240	1.00	36.01	D
	ATOM 13939 CA TRP D 389	71.159	14.470	-67.021	1.00	70.99	D	ATOM 14024 CB GLU D 399	57.253	25.296	-63.263	1.00	51.98	D
20	ATOM 13940 CB TRP D 389	70.905	13.463	-68.147	1.00	100.10	D	ATOM 14025 CG GLU D 399	58.146	25.329	-62.028	1.00	51.98	D
	ATOM 13941 CG TRP D 389	72.115	12.964	-68.861	1.00	100.10	D	ATOM 14026 CD GLU D 399	59.163	26.485	-62.024	1.00	51.98	D
	ATOM 13942 CD2 TRP D 389	73.466	13.436	-68.728	1.00	100.10	D	ATOM 14027 OE1 GLU D 399	59.781	26.747	-63.078	1.00	51.98	D
	ATOM 13943 CE2 TRP D 389	74.257	12.689	-69.629	1.00	100.10	D	ATOM 14028 OE2 GLU D 399	59.359	27.118	-60.959	1.00	51.98	D
25	ATOM 13944 CE3 TRP D 389	74.086	14.420	-67.936	1.00	100.10	D	ATOM 14029 C GLU D 399	55.509	24.101	-64.601	1.00	36.01	D
	ATOM 13945 CD1 TRP D 389	72.146	11.982	-69.806	1.00	100.10	D	ATOM 14030 O GLU D 399	56.073	23.536	-65.541	1.00	36.01	D
	ATOM 13946 NE1 TRP D 389	73.425	11.810	-70.272	1.00	100.10	D	ATOM 14031 N PRO D 400	54.275	24.632	-64.730	1.00	57.31	D
	ATOM 13947 CZ2 TRP D 389	75.638	12.893	-69.763	1.00	100.10	D	ATOM 14032 CD PRO D 400	53.376	25.243	-63.744	1.00	39.59	D
30	ATOM 13948 CZ3 TRP D 389	75.459	14.621	-68.069	1.00	100.10	D	ATOM 14033 CA PRO D 400	53.625	24.541	-66.043	1.00	52.39	D
	ATOM 13949 CH2 TRP D 389	76.218	13.859	-68.978	1.00	100.10	D	ATOM 14034 CB PRO D 400	52.275	25.222	-65.822	1.00	88.20	D
	ATOM 13950 C TRP D 389	70.065	15.543	-67.105	1.00	70.99	D	ATOM 14035 CG PRO D 400	52.489	26.061	-64.630	1.00	39.59	D
	ATOM 13951 O TRP D 389	69.077	15.366	-67.830	1.00	70.99	D	ATOM 14036 C PRO D 400	54.432	25.150	-67.191	1.00	43.14	D
35	ATOM 13952 N GLY D 390	70.240	16.648	-66.382	1.00	81.35	D	ATOM 14037 O PRO D 400	54.225	24.817	-68.357	1.00	43.35	D
	ATOM 13953 CA GLY D 390	69.236	17.698	-66.399	1.00	81.35	D	ATOM 14038 N GLY D 401	55.379	26.016	-66.861	1.00	60.13	D
	ATOM 13954 C GLY D 390	69.015	18.346	-67.756	1.00	81.35	D	ATOM 14039 CA GLY D 401	56.195	26.624	-67.894	1.00	59.69	D
	ATOM 13955 O GLY D 390	69.900	18.349	-68.606	1.00	81.35	D	ATOM 14040 C GLY D 401	57.245	25.712	-68.518	1.00	59.48	D
40	ATOM 13956 N ARG D 391	67.818	18.886	-67.963	1.00	91.82	D	ATOM 14041 O GLY D 401	57.842	26.067	-69.527	1.00	60.19	D
	ATOM 13957 CA ARG D 391	67.478	19.574	-69.205	1.00	91.82	D	ATOM 14042 N PHE D 402	57.490	24.544	-67.937	1.00	51.79	D
	ATOM 13958 CB ARG D 391	65.986	19.402	-69.511	1.00	94.74	D	ATOM 14043 CA PHE D 402	58.488	23.637	-68.494	1.00	51.79	D
	ATOM 13959 CG ARG D 391	65.540	17.945	-69.647	1.00	94.74	D	ATOM 14044 CB PHE D 402	58.736	22.470	-67.555	1.00	59.30	D
45	ATOM 13960 CD ARG D 391	65.497	17.467	-71.110	1.00	94.74	D	ATOM 14045 CG PHE D 402	60.041	21.804	-67.793	1.00	57.63	D
	ATOM 13961 NE ARG D 391	64.188	17.678	-71.741	1.00	94.74	D	ATOM 14046 CD1 PHE D 402	61.221	22.408	-67.370	1.00	57.63	D
	ATOM 13962 CZ ARG D 391	63.735	18.848	-72.191	1.00	94.74	D	ATOM 14047 CD2 PHE D 402	60.112	20.602	-68.498	1.00	57.63	D
	ATOM 13963 NH1 ARG D 391	64.483	19.942	-72.095	1.00	94.74	D	ATOM 14048 CE1 PHE D 402	62.460	21.831	-67.647	1.00	57.63	D
50	ATOM 13964 NH2 ARG D 391	62.524	18.927	-72.731	1.00	94.74	D	ATOM 14049 CE2 PHE D 402	61.344	20.012	-68.781	1.00	57.63	D
	ATOM 13965 C ARG D 391	67.805	21.051	-68.972	1.00	91.82	D	ATOM 14050 CZ PHE D 402	62.523	20.631	-68.354	1.00	57.63	D
	ATOM 13966 O ARG D 391	68.040	21.462	-67.839	1.00	91.82	D	ATOM 14051 C PHE D 402	58.049	23.091	-69.858	1.00	51.79	D
	ATOM 13967 N LYS D 392	67.832	21.848	-70.032	1.00	61.53	D	ATOM 14052 O PHE D 402	56.942	22.562	-69.997	1.00	51.79	D
55	ATOM 13968 CA LYS D 392	68.142	23.270	-69.886	1.00	61.53	D	ATOM 14053 N PRO D 403	58.926	23.191	-70.877	1.00	68.31	D
	ATOM 13969 CB LYS D 392	69.275	23.670	-70.834	1.00	98.51	D	ATOM 14054 CD PRO D 403	60.269	23.771	-70.771	1.00	56.31	D
	ATOM 13970 CG LYS D 392	69.655	25.143	-70.740	1.00	98.51	D	ATOM 14055 CA PRO D 403	58.684	22.735	-72.251	1.00	68.31	D
	ATOM 13971 CD LYS D 392	70.606	25.556	-71.851	1.00	98.51	D	ATOM 14056 CB PRO D 403	59.883	23.285	-73.025	1.00	161.14	D
60	ATOM 13972 CE LYS D 392	70.836	27.058	-71.838	1.00	98.51	D	ATOM 14057 CG PRO D 403	60.452	24.329	-72.138	1.00	56.31	D
	ATOM 13973 NZ LYS D 392	71.619	27.508	-73.024	1.00	98.51	D	ATOM 14058 C PRO D 403	58.596	21.224	-72.399	1.00	68.31	D
	ATOM 13974 C LYS D 392	66.914	24.142	-70.165	1.00	61.53	D	ATOM 14059 O PRO D 403	59.614	20.541	-72.382	1.00	68.31	D
	ATOM 13975 O LYS D 392	66.406	24.169	-71.284	1.00	61.53	D	ATOM 14060 N TRP D 404	57.385	20.699	-72.522	1.00	60.52	D
65	ATOM 13976 N SER D 393	66.449	24.855	-69.142	1.00	55.24	D	ATOM 14061 CA TRP D 404	57.198	19.272	-72.737	1.00	60.52	D
	ATOM 13977 CA SER D 393	65.277	25.722	-69.263	1.00	55.24	D	ATOM 14062 CB TRP D 404	56.346	18.636	-71.640	1.00	54.78	D
	ATOM 13978 CB SER D 393	64.000	24.889	-69.292	1.00	61.30	D	ATOM 14063 CG TRP D 404	57.034	18.441	-70.337	1.00	48.02	D
	ATOM 13979 OG SER D 393	62.856	25.718	-69.288	1.00	61.30	D	ATOM 14064 CD2 TRP D 404	58.173	17.614	-70.074	1.00	48.02	D
70	ATOM 13980 C SER D 393	65.212	26.666	-68.081	1.00	55.24	D	ATOM 14065 CE2 TRP D 404	58.442	17.699	-68.690	1.00	48.02	D
	ATOM 13981 O SER D 393	65.785	26.383	-67.032	1.00	55.24	D	ATOM 14066 CE3 TRP D 404	58.994	16.807	-70.871	1.00	48.02	D
	ATOM 13982 N ASN D 394	64.521	27.790	-68.239	1.00	62.99	D	ATOM 14067 CD1 TRP D 404	56.675	18.978	-69.145	1.00	48.02	D
	ATOM 13983 CA ASN D 394	64.409	28.734	-67.135	1.00	62.99	D	ATOM 14068 NE1 TRP D 404	57.511	18.540	-68.148	1.00	48.02	D
75	ATOM 13984 CB ASN D 394	63.955	30.094	-67.631	1.00	62.50	D	ATOM 14069 CZ2 TRP D 404	59.498	17.006	-68.082	1.00	48.02	D
	ATOM 13985 CG ASN D 394	65.024	30.804	-68.412	1.00	62.50	D	ATOM 14070 CZ3 TRP D 404	60.050	16.116	-70.266	1.00	48.02	D
	ATOM 13986 OD1 ASN D 394	66.168	30.914	-67.962	1.00	62.50	D	ATOM 14071 CH2 TRP D 404	60.288	16.222	-68.883	1.00	48.02	D
	ATOM 13987 ND2 ASN D 394	64.659	31.303	-69.594	1.00	62.50	D	ATOM 14072 C TRP D 404	56.451	19.191	-74.061	1.00	60.52	D
80	ATOM 13988 C ASN D 394	63.419	28.203	-66.116	1.00	62.99	D	ATOM 14073 O TRP D 404	55.456	19.892	-74.261	1.00	60.52	D
	ATOM 13989 O ASN D 394	63.390	28.634	-64.964	1.00	62.99	D	ATOM 14074 N ASN D 405	56.931	18.353	-74.971	1.00	59.38	D
	ATOM 13990 N TYR D 395	62.609	27.254	-66.556	1.00	56.45	D	ATOM 14075 CA ASN D 405	56.280	18.214	-76.262	1.00	59.41	D
	ATOM 13991 CA TYR D 395	61.621	26.644	-65.698	1.00	56.45	D	ATOM 14076 CB ASN D						

65251/C766

1	ATOM 14090 N LYS D 407	50.827	16.916	-76.827	1.00	42.22	D	ATOM 14175 CD1 LEU D 417	56.620	14.738	-73.818	1.00	39.79	D
	ATOM 14091 CA LYS D 407	49.746	17.349	-77.696	1.00	37.82	D	ATOM 14176 CD2 LEU D 417	56.431	12.810	-72.261	1.00	39.79	D
	ATOM 14092 CB LYS D 407	50.091	17.153	-79.171	1.00	112.23	D	ATOM 14177 C LEU D 417	55.594	12.546	-76.252	1.00	47.94	D
	ATOM 14093 CG LYS D 407	51.258	17.984	-79.666	1.00	98.33	D	ATOM 14178 O LEU D 417	55.675	11.351	-76.484	1.00	43.04	D
	ATOM 14094 CD LYS D 407	51.382	17.893	-81.184	1.00	98.33	D	ATOM 14179 N THR D 418	56.535	13.418	-76.597	1.00	54.87	D
5	ATOM 14095 CE LYS D 407	52.653	18.566	-81.689	1.00	98.33	D	ATOM 14180 CA THR D 418	57.747	13.024	-77.299	1.00	47.93	D
	ATOM 14096 NZ LYS D 407	53.891	17.870	-81.221	1.00	98.33	D	ATOM 14181 CB THR D 418	57.666	13.370	-78.797	1.00	88.90	D
	ATOM 14097 C LYS D 407	48.579	16.463	-77.345	1.00	47.13	D	ATOM 14182 OG1 THR D 418	56.750	12.480	-79.442	1.00	57.31	D
	ATOM 14098 O LYS D 407	48.772	15.276	-77.083	1.00	46.07	D	ATOM 14183 CG2 THR D 418	59.021	13.236	-79.455	1.00	57.31	D
	ATOM 14099 N LYS D 408	47.376	17.030	-77.301	1.00	51.43	D	ATOM 14184 C THR D 418	58.915	13.778	-76.703	1.00	63.12	D
10	ATOM 14100 CA LYS D 408	46.209	16.220	-76.989	1.00	51.02	D	ATOM 14185 O THR D 418	58.992	14.995	-76.829	1.00	56.59	D
	ATOM 14101 CB LYS D 408	45.010	17.096	-76.658	1.00	55.14	D	ATOM 14186 N ASP D 419	59.830	13.064	-76.058	1.00	51.14	D
	ATOM 14102 CG LYS D 408	43.814	16.304	-76.179	1.00	53.94	D	ATOM 14187 CA ASP D 419	60.982	13.727	-75.463	1.00	56.25	D
	ATOM 14103 CD LYS D 408	42.768	17.213	-75.592	1.00	53.94	D	ATOM 14188 CB ASP D 419	61.037	13.449	-73.964	1.00	95.02	D
	ATOM 14104 CE LYS D 408	41.595	16.415	-75.051	1.00	53.94	D	ATOM 14189 CG ASP D 419	61.981	14.382	-73.243	1.00	72.61	D
15	ATOM 14105 NZ LYS D 408	40.600	17.301	-74.359	1.00	53.94	D	ATOM 14190 OD1 ASP D 419	61.899	15.606	-73.487	1.00	72.61	D
	ATOM 14106 C LYS D 408	45.957	15.449	-78.269	1.00	51.15	D	ATOM 14191 OD2 ASP D 419	62.799	13.902	-72.433	1.00	72.61	D
	ATOM 14107 O LYS D 408	45.567	16.029	-79.275	1.00	49.72	D	ATOM 14192 C ASP D 419	62.269	13.272	-76.135	1.00	60.34	D
	ATOM 14108 N ASP D 409	46.198	14.147	-78.256	1.00	71.03	D	ATOM 14193 O ASP D 419	62.552	12.080	-76.194	1.00	55.23	D
	ATOM 14109 CA ASP D 409	46.005	13.398	-79.484	1.00	71.21	D	ATOM 14194 N LEU D 420	63.046	14.229	-76.641	1.00	74.08	D
20	ATOM 14110 CB ASP D 409	46.568	11.967	-79.361	1.00	94.96	D	ATOM 14195 CA LEU D 420	64.295	13.934	-77.339	1.00	78.77	D
	ATOM 14111 CG ASP D 409	46.180	11.285	-78.074	1.00	87.78	D	ATOM 14196 CB LEU D 420	64.343	14.745	-77.637	1.00	127.61	D
	ATOM 14112 OD1 ASP D 409	44.992	11.341	-77.712	1.00	87.78	D	ATOM 14197 CG LEU D 420	65.275	14.261	-79.744	1.00	86.56	D
	ATOM 14113 OD2 ASP D 409	47.062	10.678	-77.433	1.00	87.78	D	ATOM 14198 CD1 LEU D 420	64.789	12.916	-80.252	1.00	86.56	D
	ATOM 14114 C ASP D 409	44.564	13.380	-79.977	1.00	71.12	D	ATOM 14199 CD2 LEU D 420	65.310	15.275	-80.875	1.00	86.56	D
25	ATOM 14115 O ASP D 409	43.639	13.705	-79.234	1.00	74.85	D	ATOM 14200 C LEU D 420	65.529	14.249	-76.485	1.00	81.34	D
	ATOM 14116 N LYS D 410	44.415	13.028	-81.257	1.00	85.72	D	ATOM 14201 O LEU D 420	65.475	15.100	-75.601	1.00	80.66	D
	ATOM 14117 CA LYS D 410	43.139	12.936	-81.972	1.00	92.16	D	ATOM 14202 N VAL D 421	66.640	13.561	-76.750	1.00	70.23	D
	ATOM 14118 CB LYS D 410	43.187	11.782	-82.980	1.00	160.70	D	ATOM 14203 CA VAL D 421	67.883	13.779	-76.004	1.00	68.74	D
	ATOM 14119 CG LYS D 410	43.237	10.377	-82.357	1.00	100.15	D	ATOM 14204 CB VAL D 421	68.013	12.784	-74.842	1.00	111.21	D
30	ATOM 14120 CD LYS D 410	44.595	10.059	-81.721	1.00	100.15	D	ATOM 14205 CG1 VAL D 421	69.357	12.933	-74.165	1.00	66.64	D
	ATOM 14121 CE LYS D 410	44.596	8.674	-81.067	1.00	100.15	D	ATOM 14206 CG2 VAL D 421	66.931	13.042	-73.849	1.00	66.64	D
	ATOM 14122 NZ LYS D 410	45.904	8.339	-80.426	1.00	100.15	D	ATOM 14207 C VAL D 421	69.126	13.659	-76.878	1.00	71.00	D
	ATOM 14123 C LYS D 410	41.916	12.753	-81.091	1.00	90.98	D	ATOM 14208 O VAL D 421	69.241	12.737	-77.680	1.00	66.60	D
	ATOM 14124 O LYS D 410	42.007	12.230	-79.988	1.00	90.51	D	ATOM 14209 N ARG D 422	70.053	14.596	-76.709	1.00	80.79	D
35	ATOM 14125 N ASP D 411	40.766	13.166	-81.607	1.00	50.58	D	ATOM 14210 CA ARG D 422	71.301	14.623	-77.468	1.00	82.92	D
	ATOM 14126 CA ASP D 411	39.495	13.076	-80.888	1.00	48.09	D	ATOM 14211 CB ARG D 422	71.860	16.047	-77.466	1.00	169.18	D
	ATOM 14127 CB ASP D 411	38.348	12.756	-81.853	1.00	155.37	D	ATOM 14212 CG ARG D 422	72.128	16.635	-78.835	1.00	129.77	D
	ATOM 14128 CG ASP D 411	37.736	14.002	-82.464	1.00	155.37	D	ATOM 14213 CD ARG D 422	73.423	16.115	-79.427	1.00	129.77	D
	ATOM 14129 OD1 ASP D 411	37.364	14.919	-81.699	1.00	155.37	D	ATOM 14214 NE ARG D 422	73.748	16.803	-80.675	1.00	129.77	D

65251/C766

1	ATOM 14245 CE LYS D 426	78.629	17.766	-73.630	1.00120.38	D	ATOM 14330 NE2 HIS D 437	49.000	8.878	-66.753	1.00 42.71	D
	ATOM 14246 NZ LYS D 426	77.700	18.852	-73.215	1.00120.38	D	ATOM 14331 C HIS D 437	52.027	8.536	-63.521	1.00 44.01	D
	ATOM 14247 C LYS D 426	79.877	11.968	-71.551	1.00159.25	D	ATOM 14332 O HIS D 437	52.464	7.624	-62.833	1.00 46.23	D
	ATOM 14248 O LYS D 426	80.655	11.685	-70.639	1.00159.25	D	ATOM 14333 N ASP D 438	50.788	8.995	-63.384	1.00 46.45	D
	ATOM 14249 N MET D 427	78.729	11.329	-71.750	1.00168.82	D	ATOM 14334 CA ASP D 438	49.878	8.430	-62.388	1.00 48.36	D
5	ATOM 14250 CA MET D 427	78.283	10.238	-70.890	1.00168.82	D	ATOM 14335 CB ASP D 438	48.522	9.121	-62.462	1.00 99.14	D
	ATOM 14251 CB MET D 427	76.844	9.852	-71.242	1.00120.65	D	ATOM 14336 CG ASP D 438	48.489	10.406	-61.660	1.00 70.10	D
	ATOM 14252 CG MET D 427	76.620	9.570	-72.717	1.00120.65	D	ATOM 14337 OD1 ASP D 438	49.576	10.968	-61.398	1.00 70.10	D
	ATOM 14253 SD MET D 427	74.900	9.190	-73.074	1.00120.65	D	ATOM 14338 OD2 ASP D 438	47.380	10.856	-61.299	1.00 70.10	D
	ATOM 14254 CE MET D 427	74.164	10.835	-73.056	1.00120.65	D	ATOM 14339 C ASP D 438	49.735	6.925	-62.543	1.00 49.70	D
10	ATOM 14255 C MET D 427	79.169	9.004	-70.968	1.00168.82	D	ATOM 14340 O ASP D 438	49.809	6.191	-61.560	1.00 53.26	D
	ATOM 14256 O MET D 427	80.312	9.073	-71.420	1.00168.82	D	ATOM 14341 N THR D 439	49.515	6.461	-63.767	1.00 75.03	D
	ATOM 14257 N SER D 428	78.630	7.874	-70.521	1.00100.78	D	ATOM 14342 CA THR D 439	49.440	5.029	-64.021	1.00 72.38	D
	ATOM 14258 CA SER D 428	79.374	6.622	-70.534	1.00102.43	D	ATOM 14343 CB THR D 439	48.773	4.746	-65.376	1.00 61.32	D
	ATOM 14259 CB SER D 428	80.523	6.690	-69.527	1.00115.17	D	ATOM 14344 OG1 THR D 439	49.564	5.299	-66.433	1.00 47.13	D
15	ATOM 14260 OG SER D 428	80.028	6.847	-68.209	1.00111.88	D	ATOM 14345 CG2 THR D 439	47.401	5.392	-65.423	1.00 47.13	D
	ATOM 14261 C SER D 428	78.508	5.404	-70.219	1.00 98.38	D	ATOM 14346 C THR D 439	50.930	4.692	-64.063	1.00 78.15	D
	ATOM 14262 O SER D 428	79.005	4.427	-69.661	1.00 98.26	D	ATOM 14347 O THR D 439	51.720	5.516	-64.512	1.00 78.49	D
	ATOM 14263 N SER D 429	77.225	5.455	-70.574	1.00130.90	D	ATOM 14348 N LEU D 440	51.332	3.515	-63.599	1.00 56.19	D
	ATOM 14264 CA SER D 429	76.318	4.336	-70.314	1.00129.57	D	ATOM 14349 CA LEU D 440	52.764	3.170	-63.551	1.00 58.21	D
20	ATOM 14265 CB SER D 429	75.883	4.328	-68.849	1.00134.49	D	ATOM 14350 CB LEU D 440	53.357	2.926	-64.968	1.00 72.12	D
	ATOM 14266 OG SER D 429	76.981	4.126	-67.983	1.00134.49	D	ATOM 14351 CG LEU D 440	53.566	3.773	-66.253	1.00 52.12	D
	ATOM 14267 C SER D 429	75.068	4.360	-71.180	1.00127.95	D	ATOM 14352 CD1 LEU D 440	52.238	4.047	-66.886	1.00 52.12	D
	ATOM 14268 O SER D 429	74.299	3.401	-71.190	1.00116.65	D	ATOM 14353 CD2 LEU D 440	54.341	5.052	-66.004	1.00 52.12	D
	ATOM 14269 N GLN D 430	74.867	5.448	-71.912	1.00 80.61	D	ATOM 14354 C LEU D 440	53.605	4.223	-62.815	1.00 68.16	D
25	ATOM 14270 CA GLN D 430	73.681	5.594	-72.750	1.00 80.61	D	ATOM 14355 O LEU D 440	54.312	4.993	-63.449	1.00 66.38	D
	ATOM 14271 CG GLN D 430	73.526	4.428	-73.718	1.00175.27	D	ATOM 14356 N GLU D 441	53.532	4.244	-61.481	1.00 56.45	D
	ATOM 14272 CG GLN D 430	72.335	4.613	-74.629	1.00104.26	D	ATOM 14357 CA GLU D 441	54.265	5.215	-60.652	1.00 56.45	D
	ATOM 14273 CD GLN D 430	72.126	3.455	-75.568	1.00104.26	D	ATOM 14358 CB GLU D 441	54.520	4.637	-59.259	1.00200.28	D
	ATOM 14274 OE1 GLN D 430	71.765	2.355	-75.147	1.00104.26	D	ATOM 14359 CG GLU D 441	53.254	4.401	-58.456	1.00123.64	D
30	ATOM 14275 NE2 GLN D 430	72.355	3.694	-76.857	1.00104.26	D	ATOM 14360 CD GLU D 441	53.541	3.977	-57.026	1.00123.64	D
	ATOM 14276 C GLN D 430	72.470	5.651	-71.828	1.00 80.61	D	ATOM 14361 OE1 GLU D 441	54.236	2.953	-56.835	1.00123.64	D
	ATOM 14277 O GLN D 430	72.105	4.659	-71.191	1.00 80.61	D	ATOM 14362 OE2 GLU D 441	53.071	4.669	-56.092	1.00123.64	D
	ATOM 14278 N PRO D 431	71.813	6.816	-71.765	1.00 53.81	D	ATOM 14363 C GLU D 441	55.584	5.707	-61.252	1.00 56.45	D
	ATOM 14279 CD PRO D 431	71.902	7.959	-72.686	1.00 40.84	D	ATOM 14364 O GLU D 441	55.870	6.904	-61.234	1.00 56.45	D
35	ATOM 14280 CA PRO D 431	70.655	6.955	-70.896	1.00 53.80	D	ATOM 14365 N ALA D 442	56.383	4.789	-61.784	1.00 52.36	D
	ATOM 14281 CB PRO D 431	70.258	8.410	-71.096	1.00139.80	D	ATOM 14366 CA ALA D 442	57.655	5.145	-62.408	1.00 50.58	D
	ATOM 14282 CG PRO D 431	70.551	8.616	-72.526	1.00110.36	D	ATOM 14367 CB ALA D 442	58.621	5.674	-61.362	1.00 31.97	D
	ATOM 14283 C PRO D 431	69.527	5.998	-71.216	1.00 50.42	D	ATOM 14368 C ALA D 442	58.250	3.922	-63.090	1.00 46.57	D
	ATOM 14284 O PRO D 431	69.419	5.464	-72.322	1.00 50.30	D	ATOM 14369 O ALA D 442	58.717	3.007	-62.418	1.00 43.98	D

65251/C766

1	ATOM 14413 CB SER D 448	69.947	3.436	-78.610	1.00200.84	D	ATOM 14498 O VAL E 8	70.397	-0.530	-23.839	1.00 40.85	E
	ATOM 14414 OG SER D 448	69.834	4.048	-77.338	1.00200.84	D	ATOM 14499 N ALA E 9	68.261	-0.097	-24.419	1.00 36.99	E
	ATOM 14415 C SER D 448	68.800	2.076	-80.359	1.00183.09	D	ATOM 14500 CA ALA E 9	67.807	-1.413	-24.029	1.00 43.23	E
	ATOM 14416 O SER D 448	68.227	1.015	-80.603	1.00183.09	D	ATOM 14501 CB ALA E 9	67.830	-1.550	-22.518	1.00 37.94	E
	ATOM 14417 N GLU D 449	69.592	2.692	-81.235	1.00151.34	D	ATOM 14502 C ALA E 9	66.414	-1.687	-24.535	1.00 44.21	E
	ATOM 14418 CA GLU D 449	69.779	2.180	-82.590	1.00151.34	D	ATOM 14503 O ALA E 9	65.530	-0.834	-24.458	1.00 42.19	E
	ATOM 14419 CB GLU D 449	70.153	0.691	-82.575	1.00113.21	D	ATOM 14504 N HIS E 10	66.229	-2.887	-25.061	1.00 39.55	E
	ATOM 14420 CG GLU D 449	71.613	0.412	-82.296	1.00113.21	D	ATOM 14505 CA HIS E 10	64.939	-3.322	-25.542	1.00 40.42	E
	ATOM 14421 CD GLU D 449	72.129	1.216	-81.127	1.00113.21	D	ATOM 14506 CB HIS E 10	64.850	-3.254	-27.065	1.00 35.06	E
5	ATOM 14422 OE1 GLU D 449	71.519	1.140	-80.039	1.00113.21	D	ATOM 14507 CG HIS E 10	63.511	-3.654	-27.597	1.00 36.55	E
	ATOM 14423 OE2 GLU D 449	73.143	1.925	-81.300	1.00113.21	D	ATOM 14508 CD2 HIS E 10	63.067	-4.829	-28.104	1.00 34.28	E
	ATOM 14424 C GLU D 449	68.442	2.361	-83.289	1.00151.34	D	ATOM 14509 ND1 HIS E 10	62.424	-2.809	-27.586	1.00 36.69	E
	ATOM 14425 O GLU D 449	68.371	2.791	-84.440	1.00151.34	D	ATOM 14510 CE1 HIS E 10	61.367	-3.444	-28.066	1.00 37.04	E
	ATOM 14426 N GLY D 450	67.384	2.038	-82.557	1.00 68.88	D	ATOM 14511 NE2 HIS E 10	61.730	-4.671	-28.387	1.00 34.52	E
	ATOM 14427 CA GLY D 450	66.031	2.142	-83.057	1.00 68.88	D	ATOM 14512 C HIS E 10	64.856	-4.770	-25.079	1.00 38.63	E
	ATOM 14428 C GLY D 450	65.268	1.021	-82.396	1.00 68.88	D	ATOM 14513 O HIS E 10	65.418	-5.671	-25.704	1.00 36.79	E
	ATOM 14429 O GLY D 450	64.141	0.705	-82.772	1.00 68.88	D	ATOM 14514 N VAL E 11	64.188	-4.985	-23.958	1.00 43.05	E
	ATOM 14430 N CYS D 451	65.903	0.421	-81.395	1.00172.93	D	ATOM 14515 CA VAL E 11	64.050	-6.324	-23.425	1.00 45.63	E
	ATOM 14431 CA CYS D 451	65.322	-0.694	-80.666	1.00172.93	D	ATOM 14516 CB VAL E 11	64.295	-6.353	-21.914	1.00 42.38	E
	ATOM 14432 CB CYS D 451	64.024	-0.284	-80.005	1.00143.59	D	ATOM 14517 CG1 VAL E 11	65.718	-5.888	-21.640	1.00 38.44	E
10	ATOM 14433 SG CYS D 451	64.291	0.924	-78.697	1.00143.59	D	ATOM 14518 CG2 VAL E 11	63.285	-5.465	-21.187	1.00 44.36	E
	ATOM 14434 C CYS D 451	65.045	-1.825	-81.621	1.00172.93	D	ATOM 14519 C VAL E 11	62.669	-6.853	-23.744	1.00 44.24	E
	ATOM 14435 O CYS D 451	63.875	-2.257	-81.679	1.00172.93	D	ATOM 14520 O VAL E 11	61.702	-6.088	-23.921	1.00 41.25	E
	ATOM 14436 OXT CYS D 451	66.002	-2.254	-82.297	1.00115.96	D	ATOM 14521 N VAL E 12	62.579	-8.171	-23.820	1.00 57.28	E
	ATOM 14437 CB ARG E 1	78.700	-3.181	-35.806	1.00124.79	E	ATOM 14522 CA VAL E 12	61.330	-8.801	-24.182	1.00 55.45	E
	ATOM 14438 CG ARG E 1	77.750	-4.084	-35.003	1.00124.79	E	ATOM 14523 CB VAL E 12	61.497	-9.454	-25.558	1.00 62.15	E
	ATOM 14439 CD ARG E 1	78.411	-5.350	-34.451	1.00124.79	E	ATOM 14524 CG1 VAL E 12	62.353	-10.695	-25.440	1.00 55.95	E
	ATOM 14440 NE ARG E 1	78.937	-5.185	-33.092	1.00124.79	E	ATOM 14525 CG2 VAL E 12	60.155	-9.747	-26.158	1.00 65.62	E
	ATOM 14441 CZ ARG E 1	78.190	-4.951	-32.012	1.00124.79	E	ATOM 14526 C VAL E 12	60.938	-9.823	-23.120	1.00 53.41	E
	ATOM 14442 NH1 ARG E 1	76.871	-4.851	-32.120	1.00124.79	E	ATOM 14527 O VAL E 12	61.784	-10.263	-22.329	1.00 53.25	E
	ATOM 14443 NH2 ARG E 1	78.762	-4.817	-30.820	1.00124.79	E	ATOM 14528 N ALA E 13	59.658	-10.187	-23.095	1.00 53.98	E
15	ATOM 14444 C ARG E 1	79.441	-1.892	-33.768	1.00200.84	E	ATOM 14529 CA ALA E 13	59.139	-11.132	-22.105	1.00 53.65	E
	ATOM 14445 O ARG E 1	79.032	-2.526	-32.797	1.00200.84	E	ATOM 14530 CB ALA E 13	57.618	-11.056	-22.052	1.00 27.81	E
	ATOM 14446 N ARG E 1	80.861	-3.712	-34.714	1.00200.84	E	ATOM 14531 C ALA E 13	59.562	-12.564	-22.344	1.00 57.63	E
	ATOM 14447 CA ARG E 1	79.905	-2.615	-35.038	1.00200.84	E	ATOM 14532 O ALA E 13	59.575	-13.025	-23.476	1.00 55.14	E
	ATOM 14448 N THR E 2	79.513	-0.564	-33.778	1.00192.58	E	ATOM 14533 N ASN E 14	59.897	-13.258	-21.260	1.00 71.12	E
	ATOM 14449 CA THR E 2	79.109	0.242	-32.625	1.00192.58	E	ATOM 14534 CA ASN E 14	60.317	-14.653	-21.307	1.00 72.24	E
	ATOM 14450 CB THR E 2	79.678	1.687	-32.713	1.00143.02	E	ATOM 14535 CB ASN E 14	61.129	-14.979	-20.060	1.00 90.93	E
	ATOM 14451 OG1 THR E 2	81.105	1.642	-32.839	1.00141.76	E	ATOM 14536 CG ASN E 14	61.601	-16.413	-20.033	1.00 92.92	E
	ATOM 14452 CG2 THR E 2	79.308	2.489	-31.467	1.00144.91	E	ATOM 14537 OD1 ASN E 14	62.207	-16.855	-19.059	1.00 92.50	E
	ATOM 14453 C THR E 2	77.591	0.363	-32.533	1.00192.58	E	ATOM 14538 ND2 ASN E 14	61.330	-17.149	-21.106	1.00 95.04	E
	ATOM 14454 O THR E 2	76.976	1.020	-33.374	1.00192.58	E	ATOM 14539 C ASN E 14	59.083	-15.553	-21.370	1.00 75.12	E
20	ATOM 14455 N PRO E 3	76.961	-0.276	-31.526	1.00200.84	E	ATOM 14540 O ASN E 14	58.290	-15.592	-20.428	1.00 75.64	E
	ATOM 14456 CD PRO E 3	77.422	-1.227	-30.496	1.00 80.28	E	ATOM 14541 N PRO E 15	58.912	-16.301	-22.474	1.00 74.24	E
	ATOM 14457 CA PRO E 3	75.506	-0.117	-31.478	1.00200.84	E	ATOM 14542 CD PRO E 15	59.751	-16.379	-23.682	1.00 48.18	E
	ATOM 14458 CB PRO E 3	75.146	-0.671	-30.099	1.00 78.52	E	ATOM 14543 CA PRO E 15	57.742	-17.180	-22.599	1.00 77.84	E
	ATOM 14459 CG PRO E 3	76.103	-1.824	-29.976	1.00 78.39	E	ATOM 14544 CB PRO E 15	57.704	-17.515	-24.100	1.00 52.52	E
	ATOM 14460 C PRO E 3	75.184	1.368	-31.646	1.00200.84	E	ATOM 14545 CG PRO E 15	58.717	-16.560	-24.751	1.00 50.79	E
	ATOM 14461 O PRO E 3	74.183	1.723	-32.270	1.00200.84	E	ATOM 14546 C PRO E 15	57.861	-18.438	-21.740	1.00 79.05	E
	ATOM 14462 N SER E 4	76.062	2.220	-31.105	1.00142.45	E	ATOM 14547 O PRO E 15	56.865	-19.084	-21.422	1.00 81.08	E
	ATOM 14463 CA SER E 4	75.935	3.677	-31.209	1.00139.02	E	ATOM 14548 N GLN E 16	59.089	-18.773	-21.367	1.00 95.58	E
	ATOM 14464 CB SER E 4	74.466	4.122	-31.144	1.00145.69	E	ATOM 14549 CA GLN E 16	59.351	-19.958	-20.563	1.00 94.53	E
	ATOM 14465 OG SER E 4	74.011	4.216	-29.806	1.00147.64	E	ATOM 14550 CB GLN E 16	60.817	-20.375	-20.740	1.00142.00	E
	ATOM 14466 C SER E 4	76.709	4.453	-30.150	1.00139.36	E	ATOM 14551 CG GLN E 16	61.133	-21.821	-20.377	1.00144.93	E
25	ATOM 14467 O SER E 4	77.170	5.560	-30.428	1.00139.51	E	ATOM 14552 CD GLN E 16	60.344	-22.821	-21.208	1.00146.72	E
	ATOM 14468 N ASP E 5	76.846	3.873	-28.954	1.00 61.79	E	ATOM 14553 OE1 GLN E 16	60.202	-22.665	-22.423	1.00148.84	E
	ATOM 14469 CA ASP E 5	77.528	4.514	-27.822	1.00 61.90	E	ATOM 14554 NE2 GLN E 16	59.837	-23.863	-20.556	1.00145.37	E
	ATOM 14470 CB ASP E 5	78.351	5.718	-28.305	1.00159.43	E	ATOM 14555 C GLN E 16	59.040	-19.743	-19.075	1.00 91.20	E
	ATOM 14471 CG ASP E 5	79.030	6.463	-27.180	1.00159.43	E	ATOM 14556 O GLN E 16	59.255	-20.639	-18.255	1.00 91.77	E
	ATOM 14472 OD1 ASP E 5	79.576	7.555	-27.444	1.00159.43	E	ATOM 14557 N ALA E 17	58.534	-18.560	-18.728	1.00 97.79	E
	ATOM 14473 OD2 ASP E 5	79.027	5.963	-26.038	1.00157.99	E	ATOM 14558 CA ALA E 17	58.203	-18.246	-17.334	1.00101.55	E
	ATOM 14474 C ASP E 5	76.473	4.972	-26.792	1.00 59.40	E	ATOM 14559 CB ALA E 17	59.013	-17.049	-16.850	1.00 51.08	E
	ATOM 14475 O ASP E 5	76.771	5.137	-25.607	1.00 62.91	E	ATOM 14560 C ALA E 17	56.718	-17.961	-17.179	1.00106.05	E
	ATOM 14476 N LYS E 6	75.238	5.169	-27.254	1.00 55.01	E	ATOM 14561 O ALA E 17	56.318	-16.855	-16.818	1.00107.69	E
	ATOM 14477 CA LYS E 6	74.120	5.599	-26.403	1.00 51.39	E	ATOM 14562 N GLU E 18	55.909	-18.975	-17.451	1.00 84.99	E
30	ATOM 14478 CB LYS E 6	72.931	6.057	-27.253	1.00 60.14	E	ATOM 14563 CA GLU E 18	54.463	-18.860	-17.357	1.00 86.99	E
	ATOM 14479 CG LYS E 6	73.052	7.338	-28.028	1.00 66.55	E	ATOM 14564 CB GLU E 18	53.818	-20.239	-17.506	1.00129.07	E
	ATOM 14480 CD LYS E 6	71.809	7.472	-28.905	1.00 70.16	E	ATOM 14565 CG GLU E 18	54.233	-21.233	-16.432	1.00129.07	E
	ATOM 14481 CE LYS E 6	71.729	8.815	-29.582	1.00 73.43	E	ATOM 14566 CD GLU E 18	53.469	-22.542	-16.520	1.00129.07	E
	ATOM 14482 NZ LYS E 6	71.583	9.888	-28.566	1.00 74.62	E	ATOM 14567 OE1 GLU E 18	52.226	-22.514	-16.387	1.00129.07	E
	ATOM 14483 C LYS E 6	73.571	4.482	-25.518	1.00 46.72	E	ATOM 14568 OE2 GLU E 18	54.110	-23.598	-16.721	1.00129.07	E
	ATOM 14484 O LYS E 6	73.328	3.373	-25.995	1.00 50.60	E	ATOM 14569 C GLU E 18	54.009	-18.235	-16.047	1.00 86.65	E
	ATOM 14485 N PRO E 7	73.362	4.752	-24.221	1.00 43.54	E	ATOM 14570 O GLU E 18	54.661	-18.386	-15.014	1.00 86.26	E
	ATOM 14486 CD PRO E 7	73.772	5.875	-23.369	1.00 44.85	E	ATOM 14571 N GLY E 19	52.885	-17.525	-16.114	1.00 94.26	E
	ATOM 14487 CA PRO E 7	72.812	3.658	-23.413	1.00 41.58	E	ATOM 14572 CA GLY E 19	52.319	-16.893	-14.940	1.00 91.75	E
	ATOM 14488 CB PRO E 7	72.731	4.251	-21.997	1.00 46.85	E	ATOM 14573 C GLY E 19	52.970	-15.606	-14.485	1.00 90.25	E
	ATOM 14489 CG PRO E 7	72.816	5.725	-22.205	1.00 45.72	E	ATOM 14574 O GLY E 19	52.433	-14.933	-13.612	1.00 90.26	E
35	ATOM 14490 C PRO E 7	71.450	3.337	-23.999	1.00 39.64	E	ATOM 14575 N GLN E 20	54.113	-15.247	-15.058	1.00 93.90	E
	ATOM 14491 O PRO E 7	70.674	4.239	-24.311	1.00 40.65	E	ATOM 14576 CA GLN E 20	54.793	-14.023	-14.648	1.00 89.47	E
	ATOM 14492 N VAL E 8	71.171	2.052	-24.173	1.00 37.95	E	ATOM 14577 CB GLN E 20	55.892	-14.356	-13.638	1.00101.79	E
	ATOM 14493 CA VAL E 8	69.911	1.629	-24.759	1.00 39.11	E	ATOM 14578 CG GLN E 20	56.856	-15.406	-14.126	1.00102.77	E
	ATOM 14494 CB VAL E 8	70.019</										

65251/C766

1	ATOM 14583 O GLN E 20	55.416 -13.748 -16.947	1.00 82.92	E	ATOM 14668 CB ALA E 30	66.468 -8.453 -27.047	1.00 33.75	E
	ATOM 14584 N LEU E 21	55.839 -12.032 -15.559	1.00 58.38	E	ATOM 14669 C ALA E 30	67.995 -6.672 -27.920	1.00 30.41	E
	ATOM 14585 CA LEU E 21	56.420 -11.185 -16.586	1.00 54.84	E	ATOM 14670 O ALA E 30	68.992 -6.866 -28.628	1.00 34.56	E
	ATOM 14586 CB LEU E 21	55.674 -9.851 -16.646	1.00 60.09	E	ATOM 14671 N LEU E 31	67.963 -5.785 -26.924	1.00 43.38	E
	ATOM 14587 CG LEU E 21	56.192 -8.789 -17.617	1.00 58.87	E	ATOM 14672 CA LEU E 31	69.125 -4.971 -26.608	1.00 42.85	E
5	ATOM 14588 CD1 LEU E 21	56.422 -9.384 -18.993	1.00 56.17	E	ATOM 14673 CB LEU E 31	69.038 -3.631 -27.320	1.00 38.41	E
	ATOM 14589 CD2 LEU E 21	55.177 -7.660 -17.696	1.00 60.91	E	ATOM 14674 CG LEU E 31	69.210 -3.545 -28.826	1.00 41.29	E
	ATOM 14590 C LEU E 21	57.891 -10.942 -16.298	1.00 53.45	E	ATOM 14675 CD1 LEU E 31	68.750 -2.179 -29.313	1.00 38.91	E
	ATOM 14591 O LEU E 21	58.247 -9.998 -15.604	1.00 48.77	E	ATOM 14676 CD2 LEU E 31	70.657 -3.783 -29.172	1.00 40.76	E
	ATOM 14592 N GLN E 22	58.745 -11.796 -16.840	1.00 52.26	E	ATOM 14677 C LEU E 31	69.292 -4.695 -25.130	1.00 42.11	E
10	ATOM 14593 CA GLN E 22	60.184 -11.684 -16.634	1.00 56.86	E	ATOM 14678 O LEU E 31	68.309 -4.621 -24.392	1.00 42.92	E
	ATOM 14594 CB GLN E 22	60.724 -13.055 -16.239	1.00 82.01	E	ATOM 14679 N LEU E 32	70.553 -4.537 -24.726	1.00 40.42	E
	ATOM 14595 CG GLN E 22	62.228 -13.162 -16.153	1.00 88.78	E	ATOM 14680 CA LEU E 32	70.945 -4.220 -23.358	1.00 40.21	E
	ATOM 14596 CD GLN E 22	62.685 -14.606 -16.056	1.00 95.00	E	ATOM 14681 CB LEU E 32	70.829 -5.434 -22.443	1.00 46.34	E
	ATOM 14597 OE1 GLN E 22	63.882 -14.897 -16.112	1.00 100.23	E	ATOM 14682 CG LEU E 32	71.127 -5.069 -20.983	1.00 44.92	E
15	ATOM 14598 NE2 GLN E 22	61.730 -15.520 -15.911	1.00 95.76	E	ATOM 14683 CD1 LEU E 32	70.044 -4.124 -20.472	1.00 43.90	E
	ATOM 14599 C GLN E 22	60.864 -11.185 -17.910	1.00 54.25	E	ATOM 14684 CD2 LEU E 32	71.179 -6.331 -20.114	1.00 45.24	E
	ATOM 14600 O GLN E 22	60.692 -11.766 -18.975	1.00 53.20	E	ATOM 14685 C LEU E 32	72.396 -3.793 -23.467	1.00 39.85	E
	ATOM 14601 N TRP E 23	61.643 -10.114 -17.805	1.00 60.66	E	ATOM 14686 O LEU E 32	73.302 -4.581 -23.209	1.00 45.72	E
	ATOM 14602 CA TRP E 23	62.313 -9.544 -18.974	1.00 54.54	E	ATOM 14687 N ALA E 33	72.619 -2.538 -23.844	1.00 45.34	E
20	ATOM 14603 CB TRP E 23	62.521 -8.033 -18.797	1.00 53.58	E	ATOM 14688 CA ALA E 33	73.979 -2.068 -24.033	1.00 45.86	E
	ATOM 14604 CG TRP E 23	61.284 -7.261 -18.492	1.00 54.10	E	ATOM 14689 CB ALA E 33	74.315 -2.114 -25.505	1.00 87.59	E
	ATOM 14605 CD2 TRP E 23	60.183 -7.010 -19.377	1.00 52.21	E	ATOM 14690 C ALA E 33	74.356 -0.706 -23.490	1.00 47.65	E
	ATOM 14606 CE2 TRP E 23	59.245 -6.229 -18.662	1.00 53.83	E	ATOM 14691 O ALA E 33	73.529 0.055 -23.004	1.00 51.83	E
	ATOM 14607 CE3 TRP E 23	59.896 -7.368 -20.701	1.00 51.90	E	ATOM 14692 N ASN E 34	75.649 -0.429 -23.597	1.00 51.43	E
25	ATOM 14608 CD1 TRP E 23	60.980 -6.645 -17.318	1.00 53.57	E	ATOM 14693 CA ASN E 34	76.247 0.820 -23.174	1.00 48.62	E
	ATOM 14609 NE1 TRP E 23	59.758 -6.020 -17.409	1.00 52.66	E	ATOM 14694 CB ASN E 34	75.871 1.902 -24.162	1.00 60.79	E
	ATOM 14610 CZ2 TRP E 23	58.040 -5.798 -19.226	1.00 55.89	E	ATOM 14695 CG ASN E 34	76.342 1.577 -25.559	1.00 64.71	E
	ATOM 14611 CZ3 TRP E 23	58.695 -6.940 -21.266	1.00 56.34	E	ATOM 14696 OD1 ASN E 34	77.511 1.261 -25.767	1.00 67.19	E
	ATOM 14612 CH2 TRP E 23	57.782 -6.161 -20.525	1.00 54.15	E	ATOM 14697 ND2 ASN E 34	75.439 1.652 -26.525	1.00 60.12	E
30	ATOM 14613 C TRP E 23	63.670 -10.155 -19.274	1.00 55.04	E	ATOM 14698 C ASN E 34	75.950 1.276 -21.769	1.00 49.37	E
	ATOM 14614 O TRP E 23	64.463 -10.382 -18.362	1.00 56.32	E	ATOM 14699 O ASN E 34	75.716 2.450 -21.534	1.00 51.91	E
	ATOM 14615 N LEU E 24	63.938 -10.416 -20.553	1.00 44.13	E	ATOM 14700 N GLY E 35	75.950 0.351 -20.824	1.00 44.24	E
	ATOM 14616 CA LEU E 24	65.241 -10.940 -20.953	1.00 41.82	E	ATOM 14701 CA GLY E 35	75.725 0.765 -19.460	1.00 38.83	E
	ATOM 14617 CB LEU E 24	65.192 -12.404 -21.393	1.00 80.57	E	ATOM 14702 C GLY E 35	74.437 0.393 -18.776	1.00 39.18	E
35	ATOM 14618 CG LEU E 24	64.006 -13.294 -21.065	1.00 81.30	E	ATOM 14703 O GLY E 35	74.438 0.139 -17.577	1.00 40.67	E
	ATOM 14619 CD1 LEU E 24	62.843 -12.882 -21.934	1.00 82.92	E	ATOM 14704 N VAL E 36	73.327 0.358 -19.486	1.00 40.82	E
	ATOM 14620 CD2 LEU E 24	64.365 -14.739 -21.335	1.00 76.41	E	ATOM 14705 CA VAL E 36	72.109 0.025 -18.775	1.00 42.15	E
	ATOM 14621 C LEU E 24	65.767 -10.118 -22.105	1.00 48.68	E	ATOM 14706 CB VAL E 36	70.824 0.376 -19.609	1.00 36.18	E
	ATOM 14622 O LEU E 24	65.008 -9.453 -22.814	1.00 45.66	E	ATOM 14707 CG1 VAL E 36	71.208 0.775 -21.010	1.00 34.21	E
40	ATOM 14623 N ASN E 25	67.079 -10.176 -22.278	1.00 39.02	E	ATOM 14708 CG2 VAL E 36	69.839 -0.767 -19.610	1.00 36.58	E
	ATOM 14624 CA ASN E 25	67.748 -9.461 -23.341	1.00 40.46	E	ATOM 14709 C VAL E 36	72.159 -1.433 -18.355	1.00 46.30	E
	ATOM 14625 CB ASN E 25	68.725 -8.466 -22.735	1.00 54.07	E	ATOM 14710 O VAL E 36	72.648 -2.299 -19.091	1.00 47.26	E
	ATOM 14626 CG ASN E 25	69.946 -9.153 -22.142	1.00 55.64	E	ATOM 14711 N GLU E 37	71.682 -1.695 -17.146	1.00 43.75	E
	ATOM 14627 OD1 ASN E 25	71.070 -8.982 -22.619	1.00 59.63	E	ATOM 14712 CA GLU E 37	71.686 -3.041 -16.613	1.00 46.35	E
45	ATOM 14628 ND2 ASN E 25	69.724 -9.952 -21.109	1.00 52.04	E	ATOM 14713 CB GLU E 37	72.482 -3.065 -15.308	1.00 58.26	E
	ATOM 14629 C ASN E 25	68.528 -10.442 -24.227	1.00 40.99	E	ATOM 14714 CG GLU E 37	73.709 -2.181 -15.346	1.00 65.29	E
	ATOM 14630 O ASN E 25	69.111 -10.045 -25.232	1.00 43.35	E	ATOM 14715 CD GLU E 37	74.289 -1.904 -13.967	1.00 68.26	E
	ATOM 14631 N ARG E 26	68.548 -11.715 -23.847	1.00 53.10	E	ATOM 14716 OE1 GLU E 37	73.518 -1.899 -12.973	1.00 71.69	E
	ATOM 14632 CA ARG E 26	69.291 -12.720 -24.602	1.00 54.38	E	ATOM 14717 OE2 GLU E 37	75.515 -1.669 -13.882	1.00 68.82	E
50	ATOM 14633 CB ARG E 26	69.776 -13.823 -23.652	1.00 79.50	E	ATOM 14718 C GLU E 37	70.266 -3.524 -16.358	1.00 45.24	E
	ATOM 14634 CG ARG E 26	68.677 -14.471 -22.830	1.00 80.41	E	ATOM 14719 O GLU E 37	69.346 -2.733 -16.168	1.00 47.70	E
	ATOM 14635 CD ARG E 26	69.187 -15.739 -22.174	1.00 84.47	E	ATOM 14720 N LEU E 38	70.094 -4.837 -16.379	1.00 57.76	E
	ATOM 14636 NE ARG E 26	68.156 -16.405 -21.388	1.00 85.61	E	ATOM 14721 CA LEU E 38	68.803 -5.427 -16.110	1.00 59.80	E
	ATOM 14637 CZ ARG E 26	67.837 -16.060 -20.149	1.00 86.17	E	ATOM 14722 CB LEU E 38	68.458 -6.439 -17.192	1.00 46.50	E
55	ATOM 14638 NH1 ARG E 26	68.480 -15.057 -19.561	1.00 86.65	E	ATOM 14723 CG LEU E 38	67.080 -7.080 -17.073	1.00 44.41	E
	ATOM 14639 NH2 ARG E 26	66.873 -16.714 -19.503	1.00 85.20	E	ATOM 14724 CD1 LEU E 38	66.036 -6.006 -16.835	1.00 42.79	E
	ATOM 14640 C ARG E 26	68.512 -13.348 -25.760	1.00 52.44	E	ATOM 14725 CD2 LEU E 38	66.768 -7.892 -18.343	1.00 41.28	E
	ATOM 14641 O ARG E 26	68.524 -14.567 -25.929	1.00 52.15	E	ATOM 14726 C LEU E 38	69.036 -6.099 -14.770	1.00 60.07	E
	ATOM 14642 N ARG E 27	67.849 -12.520 -26.564	1.00 45.51	E	ATOM 14727 O LEU E 38	69.678 -7.144 -14.692	1.00 53.68	E
60	ATOM 14643 CA ARG E 27	67.069 -13.029 -27.679	1.00 46.44	E	ATOM 14728 N ARG E 39	68.535 -5.473 -13.712	1.00 56.58	E
	ATOM 14644 CB ARG E 27	65.579 -12.975 -27.356	1.00 42.85	E	ATOM 14729 CA ARG E 39	68.728 -5.961 -12.354	1.00 63.11	E
	ATOM 14645 CG ARG E 27	65.179 -13.924 -26.259	1.00 44.27	E	ATOM 14730 CB ARG E 39	69.598 -4.951 -11.613	1.00 53.01	E
	ATOM 14646 CD ARG E 27	65.686 -15.321 -26.563	1.00 46.64	E	ATOM 14731 CG ARG E 39	70.110 -5.395 -10.281	1.00 60.71	E
	ATOM 14647 NE ARG E 27	65.435 -16.272 -25.482	1.00 50.03	E	ATOM 14732 CD ARG E 39	71.166 -4.425 -9.791	1.00 69.32	E
65	ATOM 14648 CZ ARG E 27	64.221 -16.636 -25.088	1.00 53.64	E	ATOM 14733 NE ARG E 39	71.898 -4.964 -8.649	1.00 75.85	E
	ATOM 14649 NH1 ARG E 27	64.082 -17.516 -24.097	1.00 54.51	E	ATOM 14734 CZ ARG E 39	73.037 -4.454 -8.181	1.00 76.65	E
	ATOM 14650 NH2 ARG E 27	63.145 -16.113 -25.690	1.00 51.87	E	ATOM 14735 NH1 ARG E 39	73.577 -3.383 -8.760	1.00 75.13	E
	ATOM 14651 C ARG E 27	67.329 -12.311 -28.981	1.00 46.90	E	ATOM 14736 NH2 ARG E 39	73.647 -5.016 -7.140	1.00 78.95	E
	ATOM 14652 O ARG E 27	68.072 -11.325 -29.028	1.00 47.04	E	ATOM 14737 C ARG E 39	67.395 -6.145 -11.642	1.00 65.16	E
70	ATOM 14653 N ALA E 28	66.692 -12.838 -30.026	1.00 85.29	E	ATOM 14738 O ARG E 39	66.551 -5.253 -11.657	1.00 68.39	E
	ATOM 14654 CA ALA E 28	66.772 -12.352 -31.398	1.00 84.19	E	ATOM 14739 N ASP E 40	67.205 -7.304 -11.024	1.00 63.60	E
	ATOM 14655 CB ALA E 28	65.491 -12.699 -32.137	1.00 90.55	E	ATOM 14740 CA ASP E 40	65.967 -7.595 -10.308	1.00 61.55	E
	ATOM 14656 C ALA E 28	67.056 -10.879 -31.563	1.00 83.85	E	ATOM 14741 CB ASP E 40	65.913 -6.794 -8.998	1.00 102.11	E
	ATOM 14657 O ALA E 28	68.205 -10.474 -31.727	1.00 84.87	E	ATOM 14742 CG ASP E 40	67.131 -7.027 -8.114	1.00 102.22	E
75	ATOM 14658 N ASN E 29	66.012 -10.066 -31.521	1.00 43.60	E	ATOM 14743 OD1 ASP E 40	67.438 -8.204 -7.829	1.00 101.19	E
	ATOM 14659 CA ASN E 29	66.218 -8.647 -31.729	1.00 42.77	E	ATOM 14744 OD2 ASP E 40	67.777 -6.036 -7.700	1.00 122.37	E
	ATOM 14660 CB ASN E 29	65.294 -8.164 -32.850	1.00 43.99	E	ATOM 14745 C ASP E 40	64.738 -7.275 -11.172	1.00 57.68	E
	ATOM 14661 CG ASN E 29	65.599 -8.832 -34.187	1.00 44.05	E	ATOM 14746 O ASP E 40	63.720 -6.784 -10.684	1.00 56.91	E
	ATOM 14662 OD1 ASN E 29	66.531 -8.443 -34.893	1.00 49.91	E	ATOM 14747 N ASN E 41	64.850 -7.550 -12.466	1.00 63.50	E
80	ATOM 14663 ND2 ASN E 29	64.821 -9.852 -34.531	1.00 41.06	E	ATOM 14748 CA ASN E 41	63.764 -7.320 -13.420	1.00 59.25	E
	ATOM 14664 C ASN E 29	65.997 -7.845 -30.458	1.00 41.11	E	ATOM 14749 CB ASN E 41	62.491 -8.022 -12.951	1.00 53.81	E
	ATOM 14665 O ASN E 29	65.122 -6.969 -30.393	1.00 38.83	E	ATOM 14750 CG ASN E 41	61.592 -8.402 -14.108	1.00 48.50	E
	ATOM 14666 N ALA E 30	66.803 -8.142 -29.445	1.00 34.19	E	ATOM 14751 OD1 ASN E 41	62.033 -9.083 -15.045	1.00 49.84	E
	ATOM 14667 CA ALA E 30	66.711 -7.453 -28.169	1.00 29.01	E	ATOM 14752 ND2 ASN E 41	60.331 -7.968 -14.060	1.00 44.60	E

65251/C766

1	ATOM 14753 C ASN E 41	63.449	-5.848	-13.706	1.00	62.56	E	ATOM 14838 C LEU E 52	62.392	6.350	-23.555	1.00	43.17	E
	ATOM 14754 O ASN E 41	62.332	-5.501	-14.100	1.00	64.07	E	ATOM 14839 O LEU E 52	63.198	5.440	-23.680	1.00	43.74	E
	ATOM 14755 N GLN E 42	64.440	-4.988	-13.514	1.00	57.70	E	ATOM 14840 N ILE E 53	61.275	6.229	-22.849	1.00	42.46	E
	ATOM 14756 CA GLN E 42	64.258	-3.566	-13.756	1.00	55.62	E	ATOM 14841 CA ILE E 53	60.907	4.981	-22.198	1.00	39.06	E
	ATOM 14757 CB GLN E 42	64.178	-2.799	-12.436	1.00	51.87	E	ATOM 14842 CB ILE E 53	60.643	5.201	-20.710	1.00	45.82	E
	ATOM 14758 CG GLN E 42	63.231	-3.420	-11.433	1.00	53.96	E	ATOM 14843 CG2 ILE E 53	60.320	3.892	-20.050	1.00	46.46	E
	ATOM 14759 CD GLN E 42	63.203	-2.685	-10.107	1.00	53.42	E	ATOM 14844 CG1 ILE E 53	61.857	5.839	-20.051	1.00	44.71	E
	ATOM 14760 OE1 GLN E 42	64.246	-2.388	-9.515	1.00	52.85	E	ATOM 14845 CD1 ILE E 53	61.640	6.120	-18.590	1.00	40.53	E
	ATOM 14761 NE2 GLN E 42	62.000	-2.399	-9.627	1.00	55.18	E	ATOM 14846 C ILE E 53	59.625	4.477	-22.821	1.00	39.12	E
5	ATOM 14762 C GLN E 42	65.448	-3.070	-14.542	1.00	54.51	E	ATOM 14847 O ILE E 53	58.715	5.264	-23.093	1.00	42.20	E
	ATOM 14763 O GLN E 42	66.551	-3.603	-14.418	1.00	54.85	E	ATOM 14848 N TYR E 54	59.531	3.173	-23.039	1.00	42.64	E
	ATOM 14764 N LEU E 43	65.222	-2.058	-15.366	1.00	45.09	E	ATOM 14849 CA TYR E 54	58.325	2.616	-23.655	1.00	39.77	E
	ATOM 14765 CA LEU E 43	66.308	-1.489	-16.144	1.00	43.67	E	ATOM 14850 CB TYR E 54	58.380	2.792	-25.174	1.00	33.95	E
	ATOM 14766 CB LEU E 43	65.765	-0.892	-17.440	1.00	40.65	E	ATOM 14851 CG TYR E 54	59.501	2.011	-23.814	1.00	33.95	E
	ATOM 14767 CG LEU E 43	65.157	-1.921	-18.393	1.00	46.81	E	ATOM 14852 CD1 TYR E 54	59.321	0.691	-26.207	1.00	33.95	E
	ATOM 14768 CD1 LEU E 43	64.474	-1.207	-19.540	1.00	46.90	E	ATOM 14853 CE1 TYR E 54	60.368	-0.049	-26.751	1.00	33.95	E
	ATOM 14769 CD2 LEU E 43	66.238	-2.842	-18.897	1.00	43.20	E	ATOM 14854 CD2 TYR E 54	60.767	2.579	-25.985	1.00	33.95	E
	ATOM 14770 C LEU E 43	66.939	-0.410	-15.280	1.00	45.69	E	ATOM 14855 CE2 TYR E 54	61.825	1.846	-26.530	1.00	33.95	E
	ATOM 14771 O LEU E 43	66.226	0.334	-14.605	1.00	42.31	E	ATOM 14856 CZ TYR E 54	61.610	0.535	-26.909	1.00	33.95	E
	ATOM 14772 N VAL E 44	68.266	-0.330	-15.284	1.00	44.24	E	ATOM 14857 OH TYR E 54	62.624	-0.199	-27.469	1.00	33.95	E
10	ATOM 14773 CA VAL E 44	68.951	0.659	-14.474	1.00	43.92	E	ATOM 14858 C TYR E 54	58.138	1.149	-23.327	1.00	38.36	E
	ATOM 14774 CB VAL E 44	69.867	-0.006	-13.447	1.00	43.03	E	ATOM 14859 O TYR E 54	59.075	0.451	-22.932	1.00	37.21	E
	ATOM 14775 CG1 VAL E 44	70.423	1.036	-12.504	1.00	44.22	E	ATOM 14860 N SER E 55	56.916	0.678	-23.503	1.00	33.38	E
	ATOM 14776 CG2 VAL E 44	69.087	-1.044	-12.673	1.00	37.64	E	ATOM 14861 CA SER E 55	56.602	-0.704	-23.210	1.00	33.16	E
	ATOM 14777 C VAL E 44	69.767	1.599	-15.332	1.00	42.93	E	ATOM 14862 CB SER E 55	56.577	-0.924	-21.699	1.00	46.70	E
	ATOM 14778 O VAL E 44	70.708	1.178	-16.017	1.00	43.97	E	ATOM 14863 OG SER E 55	56.071	-2.206	-21.384	1.00	53.26	E
	ATOM 14779 N VAL E 45	69.400	2.880	-15.275	1.00	46.96	E	ATOM 14864 C SER E 55	55.257	-1.109	-23.778	1.00	36.14	E
	ATOM 14780 CA VAL E 45	70.061	3.926	-16.040	1.00	52.70	E	ATOM 14865 O SER E 55	54.349	-0.282	-23.927	1.00	33.28	E
	ATOM 14781 CB VAL E 45	69.233	5.208	-15.964	1.00	44.44	E	ATOM 14866 N GLN E 56	55.132	-2.388	-24.099	1.00	54.02	E
	ATOM 14782 CG1 VAL E 45	70.029	6.378	-16.493	1.00	47.01	E	ATOM 14867 CA GLN E 56	53.876	-2.895	-24.604	1.00	54.72	E
	ATOM 14783 CG2 VAL E 45	67.966	5.036	-16.773	1.00	47.84	E	ATOM 14868 CB GLN E 56	53.861	-2.975	-26.125	1.00	62.97	E
15	ATOM 14784 C VAL E 45	71.495	4.194	-15.566	1.00	54.49	E	ATOM 14869 CG GLN E 56	52.489	-3.395	-26.628	1.00	64.57	E
	ATOM 14785 O VAL E 45	71.754	4.342	-14.375	1.00	53.94	E	ATOM 14870 CD GLN E 56	52.482	-3.840	-28.071	1.00	67.69	E
	ATOM 14786 N PRO E 46	72.449	4.258	-16.503	1.00	48.65	E	ATOM 14871 OE1 GLN E 56	52.857	-4.970	-28.385	1.00	67.22	E
	ATOM 14787 CD PRO E 46	72.298	3.823	-17.905	1.00	47.27	E	ATOM 14872 NE2 GLN E 56	52.055	-2.949	-28.963	1.00	70.80	E
	ATOM 14788 CA PRO E 46	73.860	4.505	-16.184	1.00	47.50	E	ATOM 14873 C GLN E 56	53.612	-4.282	-24.064	1.00	57.20	E
	ATOM 14789 CB PRO E 46	74.585	3.728	-17.266	1.00	46.63	E	ATOM 14874 O GLN E 56	54.514	-5.129	-24.009	1.00	55.28	E
	ATOM 14790 CG PRO E 46	73.719	3.992	-18.458	1.00	47.33	E	ATOM 14875 N VAL E 57	52.373	-4.510	-23.653	1.00	41.67	E
	ATOM 14791 C PRO E 46	74.332	5.952	-16.155	1.00	50.94	E	ATOM 14876 CA VAL E 57	51.989	-5.822	-23.163	1.00	36.04	E
	ATOM 14792 O PRO E 46	75.484	6.209	-15.819	1.00	53.40	E	ATOM 14877 CB VAL E 57	51.638	-5.811	-21.658	1.00	49.27	E
	ATOM 14793 N SER E 47	73.474	6.900	-16.521	1.00	65.00	E	ATOM 14878 CG1 VAL E 57	52.820	-5.328	-20.853	1.00	50.47	E
	ATOM 14794 CA SER E 47	73.899	8.296	-16.519	1.00	62.12	E	ATOM 14879 CG2 VAL E 57	50.429	-4.935	-21.419	1.00	46.20	E
20	ATOM 14795 CB SER E 47	74.820	8.540	-17.703	1.00	51.36	E	ATOM 14880 C VAL E 57	50.760	-6.219	-23.953	1.00	38.65	E
	ATOM 14796 OG SER E 47	74.141	8.249	-18.907	1.00	52.57	E	ATOM 14881 O VAL E 57	50.009	-5.358	-24.409	1.00	39.76	E
	ATOM 14797 C SER E 47	72.757	9.298	-16.562	1.00	58.81	E	ATOM 14882 N LEU E 58	50.568	-7.519	-24.123	1.00	73.53	E
	ATOM 14798 O SER E 47	71.643	8.961	-16.970	1.00	55.95	E	ATOM 14883 CA LEU E 58	49.417	-8.019	-24.850	1.00	71.98	E
	ATOM 14799 N GLU E 48	73.049	10.529	-16.129	1.00	64.98	E	ATOM 14884 CB LEU E 58	49.861	-8.759	-26.110	1.00	69.10	E
	ATOM 14800 CA GLU E 48	72.080	11.631	-16.132	1.00	69.47	E	ATOM 14885 CG LEU E 58	48.871	-8.789	-27.277	1.00	71.12	E
	ATOM 14801 CB GLU E 48	72.742	12.944	-15.707	1.00	168.57	E	ATOM 14886 CD1 LEU E 58	49.214	-9.961	-28.184	1.00	65.14	E
	ATOM 14802 CG GLU E 48	73.444	12.931	-14.372	1.00	173.31	E	ATOM 14887 CD2 LEU E 58	47.452	-8.916	-26.766	1.00	68.90	E
	ATOM 14803 CD GLU E 48	72.508	13.138	-13.199	1.00	177.66	E	ATOM 14888 C LEU E 58	48.674	-8.979	-23.938	1.00	74.95	E
	ATOM 14804 OE1 GLU E 48	71.684	12.241	-12.923	1.00	179.40	E	ATOM 14889 O LEU E 58	49.209	-10.015	-23.546	1.00	76.58	E
	ATOM 14805 OE2 GLU E 48	72.598	14.206	-12.554	1.00	175.58	E	ATOM 14890 N PHE E 59	47.445	-8.630	-23.585	1.00	74.98	E
25	ATOM 14806 C GLU E 48	71.629	11.793	-17.579	1.00	68.06	E	ATOM 14891 CA PHE E 59	46.647	-9.489	-22.723	1.00	75.88	E
	ATOM 14807 O GLU E 48	72.394	11.518	-18.508	1.00	73.85	E	ATOM 14892 CB PHE E 59	45.781	-8.664	-21.769	1.00	69.18	E
	ATOM 14808 N GLY E 49	70.391	12.228	-17.781	1.00	39.38	E	ATOM 14893 CG PHE E 59	46.560	-7.883	-20.757	1.00	65.67	E
	ATOM 14809 CA GLY E 49	69.940	12.430	-19.142	1.00	37.04	E	ATOM 14894 CD1 PHE E 59	46.753	-6.513	-20.914	1.00	64.11	E
	ATOM 14810 C GLY E 49	68.464	12.276	-19.428	1.00	39.05	E	ATOM 14895 CD2 PHE E 59	47.096	-8.511	-19.641	1.00	67.63	E
	ATOM 14811 O GLY E 49	67.676	11.869	-18.571	1.00	41.89	E	ATOM 14896 CE1 PHE E 59	47.463	-5.780	-19.974	1.00	70.03	E
	ATOM 14812 N LEU E 50	68.120	12.625	-20.663	1.00	47.62	E	ATOM 14897 CE2 PHE E 59	47.813	-7.786	-18.692	1.00	70.74	E
	ATOM 14813 CA LEU E 50	66.769	12.547	-21.184	1.00	48.82	E	ATOM 14898 CZ PHE E 59	47.995	-6.415	-18.860	1.00	69.34	E
	ATOM 14814 CB LEU E 50	66.592	13.618	-22.260	1.00	38.61	E	ATOM 14899 C PHE E 59	45.744	-10.361	-23.576	1.00	79.99	E
	ATOM 14815 CG LEU E 50	65.628	14.791	-22.018	1.00	39.74	E	ATOM 14900 O PHE E 59	45.272	-9.928	-24.624	1.00	79.68	E
	ATOM 14816 CD1 LEU E 50	65.523	15.123	-20.545	1.00	36.55	E	ATOM 14901 N LYS E 60	45.511	-11.588	-23.121	1.00	94.25	E
	ATOM 14817 CD2 LEU E 50	66.098	16.001	-22.807	1.00	40.13	E	ATOM 14902 CA LYS E 60	44.652	-12.529	-23.827	1.00	95.60	E
30	ATOM 14818 C LEU E 50	66.644	11.153	-21.789	1.00	45.20	E	ATOM 14903 CB LYS E 60	45.480	-13.457	-24.713	1.00	83.56	E
	ATOM 14819 O LEU E 50	67.503	10.726	-22.567	1.00	43.92	E	ATOM 14904 CG LYS E 60	44.662	-14.527	-25.414	1.00	89.75	E
	ATOM 14820 N TYR E 51	65.594	10.429	-21.419	1.00	42.87	E	ATOM 14905 CD LYS E 60	45.566	-15.463	-26.200	1.00	97.96	E
	ATOM 14821 CA TYR E 51	65.393	9.076	-21.945	1.00	41.52	E	ATOM 14906 CE LYS E 60	44.777	-16.570	-26.882	1.00	100.71	E
	ATOM 14822 CB TYR E 51	65.616	8.010	-20.862	1.00	40.78	E	ATOM 14907 NZ LYS E 60	45.672	-17.422	-27.712	1.00	101.05	E
	ATOM 14823 CG TYR E 51	67.042	7.783	-20.447	1.00	40.88	E	ATOM 14908 C LYS E 60	43.884	-13.358	-22.816	1.00	95.11	E
	ATOM 14824 CD1 TYR E 51	67.714	8.711	-19.655	1.00	41.74	E	ATOM 14909 O LYS E 60	44.440	-13.798	-21.808	1.00	97.86	E
	ATOM 14825 CE1 TYR E 51	69.026	8.499	-19.257	1.00	41.30	E	ATOM 14910 N GLY E 61	42.603	-13.567	-23.087	1.00	71.45	E
	ATOM 14826 CD2 TYR E 51	67.720	6.631	-20.837	1.00	42.44	E	ATOM 14911 CA GLY E 61	41.793	-14.351	-22.185	1.00	74.01	E
	ATOM 14827 CE2 TYR E 51	69.034	6.406	-20.448	1.00	40.71	E	ATOM 14912 C GLY E 61	40.801	-15.205	-22.939	1.00	75.71	E
	ATOM 14828 CZ TYR E 51	69.684	7.343	-19.656	1.00	40.41	E	ATOM 14913 O GLY E 61	40.271	-14.785	-23.967	1.00	78.88	E
	ATOM 14829 OH TYR E 51	70.995	7.129	-19.258	1.00	40.64	E	ATOM 14914 N GLN						

65251/C766

1	ATOM 14923 N GLY E 63	37.288 -16.634 -23.249	1.00110.01	E	ATOM 15008 C THR E 74	53.985 0.890 -15.638	1.00 60.44	E
	ATOM 14924 CA GLY E 63	35.968 -16.308 -22.734	1.00108.00	E	ATOM 15009 O THR E 74	54.551 -0.120 -15.220	1.00 56.02	E
	ATOM 14925 C GLY E 63	36.042 -15.255 -21.644	1.00106.08	E	ATOM 15010 N ILE E 75	54.642 1.983 -16.022	1.00 52.14	E
	ATOM 14926 O GLY E 63	37.089 -14.645 -21.441	1.00104.12	E	ATOM 15011 CA ILE E 75	56.087 2.081 -15.910	1.00 53.44	E
	ATOM 14927 N CYS E 64	34.946 -15.049 -20.923	1.00137.73	E	ATOM 15012 CB ILE E 75	56.710 2.670 -17.183	1.00 40.95	E
	ATOM 14928 CA CYS E 64	34.931 -14.042 -19.872	1.00141.97	E	ATOM 15013 CG2 ILE E 75	58.203 2.878 -16.995	1.00 40.44	E
	ATOM 14929 C CYS E 64	34.779 -14.523 -18.433	1.00148.06	E	ATOM 15014 CG1 ILE E 75	56.462 1.730 -18.356	1.00 38.11	E
	ATOM 14930 O CYS E 64	34.032 -15.459 -18.147	1.00150.97	E	ATOM 15015 CD1 ILE E 75	57.057 2.218 -19.651	1.00 41.40	E
	ATOM 14931 CB CYS E 64	33.852 -13.005 -20.168	1.00154.70	E	ATOM 15016 C ILE E 75	56.389 2.997 -14.736	1.00 56.58	E
5	ATOM 14932 SG CYS E 64	34.413 -11.783 -21.382	1.00155.91	E	ATOM 15017 O ILE E 75	55.940 4.152 -14.709	1.00 53.35	E
	ATOM 14933 N PRO E 65	35.507 -13.878 -17.504	1.00134.04	E	ATOM 15018 N SER E 76	57.140 2.478 -13.766	1.00 60.08	E
	ATOM 14934 CD PRO E 65	36.641 -12.983 -17.790	1.00162.07	E	ATOM 15019 CA SER E 76	57.492 3.245 -12.576	1.00 61.16	E
	ATOM 14935 CA PRO E 65	35.471 -14.214 -16.079	1.00136.38	E	ATOM 15020 CB SER E 76	57.184 2.448 -11.314	1.00 55.71	E
	ATOM 14936 CB PRO E 65	36.683 -13.470 -15.514	1.00164.60	E	ATOM 15021 OG SER E 76	55.829 2.058 -11.264	1.00 65.00	E
	ATOM 14937 CG PRO E 65	37.600 -13.345 -16.691	1.00164.33	E	ATOM 15022 C SER E 76	58.956 3.619 -12.529	1.00 57.16	E
	ATOM 14938 C PRO E 65	34.171 -13.746 -15.433	1.00139.39	E	ATOM 15023 O SER E 76	59.800 2.958 -13.129	1.00 53.31	E
	ATOM 14939 O PRO E 65	33.131 -13.642 -16.086	1.00139.66	E	ATOM 15024 N ARG E 77	59.249 4.693 -11.808	1.00 42.78	E
	ATOM 14940 N SER E 66	34.248 -13.455 -14.142	1.00160.38	E	ATOM 15025 CA ARG E 77	60.618 5.130 -11.627	1.00 47.96	E
	ATOM 14941 CA SER E 66	33.097 -12.995 -13.391	1.00163.98	E	ATOM 15026 CB ARG E 77	60.841 6.552 -12.152	1.00 50.24	E
	ATOM 14942 CB SER E 66	33.111 -13.617 -11.995	1.00162.26	E	ATOM 15027 CG ARG E 77	62.053 7.215 -11.501	1.00 52.42	E
10	ATOM 14943 OG SER E 66	32.016 -13.162 -11.222	1.00159.42	E	ATOM 15028 CD ARG E 77	62.654 8.322 -12.336	1.00 53.29	E
	ATOM 14944 C SER E 66	33.115 -11.475 -13.282	1.00164.53	E	ATOM 15029 NE ARG E 77	62.397 9.661 -11.812	1.00 55.73	E
	ATOM 14945 O SER E 66	34.053 -10.821 -13.743	1.00157.95	E	ATOM 15030 CZ ARG E 77	63.352 10.552 -11.553	1.00 59.16	E
	ATOM 14946 N THR E 67	32.068 -10.931 -12.669	1.00200.84	E	ATOM 15031 NH1 ARG E 77	63.034 11.753 -11.092	1.00 59.25	E
	ATOM 14947 CA THR E 67	31.912 -9.493 -12.461	1.00200.84	E	ATOM 15032 NH2 ARG E 77	64.629 10.238 -11.739	1.00 59.02	E
	ATOM 14948 CB THR E 67	32.406 -9.077 -11.051	1.00174.47	E	ATOM 15033 C ARG E 77	60.873 5.118 -10.137	1.00 46.30	E
	ATOM 14949 OG1 THR E 67	31.765 -9.888 -10.059	1.00174.47	E	ATOM 15034 O ARG E 77	60.040 5.574 -9.354	1.00 52.05	E
	ATOM 14950 CG2 THR E 67	32.081 -7.609 -10.778	1.00174.47	E	ATOM 15035 N ILE E 78	61.999 4.549 -9.736	1.00 44.77	E
	ATOM 14951 C THR E 67	32.628 -8.626 -13.494	1.00200.84	E	ATOM 15036 CA ILE E 78	62.369 4.573 -8.331	1.00 43.46	E
	ATOM 14952 O THR E 67	32.123 -8.406 -14.596	1.00200.84	E	ATOM 15037 CB ILE E 78	62.450 3.125 -7.685	1.00 72.29	E
	ATOM 14953 N HIS E 68	33.812 -8.142 -13.130	1.00172.33	E	ATOM 15038 CG2 ILE E 78	61.795 2.095 -8.579	1.00 72.79	E
	ATOM 14954 CA HIS E 68	34.583 -7.281 -14.011	1.00167.45	E	ATOM 15039 CG1 ILE E 78	63.886 2.739 -7.374	1.00 73.96	E
15	ATOM 14955 CB HIS E 68	34.190 -5.824 -13.759	1.00188.77	E	ATOM 15040 CD1 ILE E 78	64.461 3.489 -6.200	1.00 74.28	E
	ATOM 14956 CG HIS E 68	34.490 -4.907 -14.901	1.00188.77	E	ATOM 15041 C ILE E 78	63.708 5.303 -8.432	1.00 45.63	E
	ATOM 14957 CD2 HIS E 68	35.280 -3.811 -14.982	1.00188.77	E	ATOM 15042 O ILE E 78	64.721 4.739 -8.838	1.00 44.18	E
	ATOM 14958 ND1 HIS E 68	33.923 -5.064 -16.148	1.00188.77	E	ATOM 15043 N ALA E 79	63.667 6.596 -8.118	1.00 53.97	E
	ATOM 14959 CE1 HIS E 68	34.351 -4.103 -16.947	1.00188.77	E	ATOM 15044 CA ALA E 79	64.837 7.457 -8.216	1.00 50.57	E
	ATOM 14960 NE2 HIS E 68	35.174 -3.329 -16.264	1.00188.77	E	ATOM 15045 CB ALA E 79	64.394 8.912 -8.195	1.00 52.11	E
	ATOM 14961 C HIS E 68	36.077 -7.468 -13.763	1.00163.28	E	ATOM 15046 C ALA E 79	65.898 7.222 -7.152	1.00 51.77	E
	ATOM 14962 O HIS E 68	36.507 -7.662 -12.627	1.00162.73	E	ATOM 15047 O ALA E 79	65.595 6.815 -6.040	1.00 51.97	E
	ATOM 14963 N VAL E 69	36.862 -7.412 -14.835	1.00109.20	E	ATOM 15048 N VAL E 80	67.152 7.482 -7.502	1.00 64.97	E
	ATOM 14964 CA VAL E 69	38.311 -7.565 -14.740	1.00108.93	E	ATOM 15049 CA VAL E 80	68.250 7.311 -6.560	1.00 67.46	E
	ATOM 14965 CB VAL E 69	38.807 -8.798 -15.540	1.00130.79	E	ATOM 15050 CB VAL E 80	69.610 7.599 -7.223	1.00 75.48	E
20	ATOM 14966 CG1 VAL E 69	40.309 -8.954 -15.380	1.00130.55	E	ATOM 15051 CG1 VAL E 80	70.724 7.459 -6.202	1.00 73.88	E
	ATOM 14967 CG2 VAL E 69	38.097 -10.051 -15.064	1.00129.05	E	ATOM 15052 CG2 VAL E 80	69.836 6.649 -8.374	1.00 77.18	E
	ATOM 14968 C VAL E 69	39.004 -6.319 -15.287	1.00108.52	E	ATOM 15053 C VAL E 80	68.072 8.278 -5.398	1.00 72.01	E
	ATOM 14969 O VAL E 69	38.644 -5.807 -16.350	1.00112.08	E	ATOM 15054 O VAL E 80	68.426 7.969 -4.262	1.00 70.60	E
	ATOM 14970 N LEU E 70	39.993 -5.828 -14.547	1.00 83.16	E	ATOM 15055 N SER E 81	67.515 9.451 -5.685	1.00 68.09	E
	ATOM 14971 CA LEU E 70	40.742 -4.655 -14.971	1.00 78.38	E	ATOM 15056 CA SER E 81	67.305 10.461 -4.656	1.00 70.95	E
	ATOM 14972 CB LEU E 70	40.736 -3.576 -13.889	1.00 73.01	E	ATOM 15057 CB SER E 81	67.505 11.858 -5.239	1.00 52.47	E
	ATOM 14973 CG LEU E 70	39.411 -2.875 -13.595	1.00 74.71	E	ATOM 15058 OG SER E 81	68.851 12.059 -5.626	1.00 55.51	E
	ATOM 14974 CD1 LEU E 70	39.653 -1.779 -12.575	1.00 69.75	E	ATOM 15059 C SER E 81	65.941 10.389 -3.973	1.00 75.13	E
	ATOM 14975 CD2 LEU E 70	38.830 -2.289 -14.866	1.00 75.31	E	ATOM 15060 O SER E 81	65.598 11.278 -3.193	1.00 75.65	E
	ATOM 14976 C LEU E 70	42.180 -5.018 -15.290	1.00 79.42	E	ATOM 15061 N TYR E 82	65.169 9.340 -4.261	1.00 52.08	E
25	ATOM 14977 O LEU E 70	42.831 -5.749 -14.541	1.00 79.53	E	ATOM 15062 CA TYR E 82	63.848 9.158 -3.654	1.00 54.12	E
	ATOM 14978 N LEU E 71	42.665 -4.502 -16.414	1.00 71.80	E	ATOM 15063 CB TYR E 82	62.849 10.166 -4.230	1.00 55.25	E
	ATOM 14979 CA LEU E 71	44.033 -4.740 -16.849	1.00 71.74	E	ATOM 15064 CG TYR E 82	61.528 10.215 -3.489	1.00 58.45	E
	ATOM 14980 CB LEU E 71	44.047 -5.239 -18.294	1.00 59.46	E	ATOM 15065 CD1 TYR E 82	60.330 9.973 -4.147	1.00 60.74	E
	ATOM 14981 CG LEU E 71	43.297 -6.545 -18.562	1.00 57.13	E	ATOM 15066 CE1 TYR E 82	59.122 9.987 -3.465	1.00 62.53	E
	ATOM 14982 CD1 LEU E 71	43.313 -6.863 -20.042	1.00 53.28	E	ATOM 15067 CD2 TYR E 82	61.482 10.479 -2.123	1.00 60.54	E
	ATOM 14983 CD2 LEU E 71	43.941 -7.668 -17.776	1.00 57.25	E	ATOM 15068 CE2 TYR E 82	60.281 10.498 -1.433	1.00 62.01	E
	ATOM 14984 C LEU E 71	44.797 -3.426 -16.753	1.00 75.77	E	ATOM 15069 CZ TYR E 82	59.104 10.247 -2.108	1.00 62.70	E
	ATOM 14985 O LEU E 71	44.360 -2.411 -17.294	1.00 75.26	E	ATOM 15070 OH TYR E 82	57.909 10.235 -1.424	1.00 61.12	E
	ATOM 14986 N THR E 72	45.924 -3.439 -16.048	1.00 77.94	E	ATOM 15071 C TYR E 82	63.343 7.742 -3.903	1.00 53.55	E
	ATOM 14987 CA THR E 72	46.727 -2.233 -15.905	1.00 75.37	E	ATOM 15072 O TYR E 82	62.443 7.535 -4.715	1.00 53.73	E
30	ATOM 14988 CB THR E 72	46.730 -1.686 -14.456	1.00 73.84	E	ATOM 15073 N GLN E 83	63.930 6.779 -3.190	1.00 61.00	E
	ATOM 14989 OG1 THR E 72	47.595 -2.487 -13.641	1.00 76.37	E	ATOM 15074 CA GLN E 83	63.601 5.361 -3.317	1.00 60.89	E
	ATOM 14990 CG2 THR E 72	45.331 -1.699 -13.876	1.00 71.56	E	ATOM 15075 CB GLN E 83	64.401 4.532 -2.315	1.00 77.95	E
	ATOM 14991 C THR E 72	48.168 -2.487 -16.297	1.00 78.00	E	ATOM 15076 CG GLN E 83	65.649 3.877 -2.852	1.00 82.22	E
	ATOM 14992 O THR E 72	48.739 -3.547 -16.020	1.00 79.04	E	ATOM 15077 CD GLN E 83	66.794 4.847 -3.011	1.00 83.26	E
	ATOM 14993 N HIS E 73	48.747 -1.493 -16.951	1.00 49.48	E	ATOM 15078 OE1 GLN E 83	67.938 4.438 -3.203	1.00 82.28	E
	ATOM 14994 CA HIS E 73	50.128 -1.553 -17.388	1.00 49.93	E	ATOM 15079 NE2 GLN E 83	66.497 6.143 -2.935	1.00 80.76	E
	ATOM 14995 CB HIS E 73	50.206 -1.623 -18.909	1.00 54.45	E	ATOM 15080 C GLN E 83	62.138 4.975 -3.164	1.00 59.07	E
	ATOM 14996 CG HIS E 73	51.597 -1.779 -19.425	1.00 57.32	E	ATOM 15081 O GLN E 83	61.765 4.375 -2.168	1.00 56.52	E
	ATOM 14997 CD2 HIS E 73	52.729 -2.210 -18.820	1.00 59.08	E	ATOM 15082 N THR E 84	61.304 5.289 -4.144	1.00 84.05	E
	ATOM 14998 ND1 HIS E 73	51.939 -1.499 -20.730	1.00 61.93	E	ATOM 15083 CA THR E 84	59.902 4.910 -4.064	1.00 76.42	E
	ATOM 14999 CE1 HIS E 73	53.225 -1.753 -20.906	1.00 60.47	E	ATOM 15084 CB THR E 84	59.069 5.915 -3.276	1.00 91.69	E
35	ATOM 15000 NE2 HIS E 73	53.727 -2.185 -19.763	1.00 60.64	E	ATOM 15085 OG1 THR E 84	59.698 6.170 -2.020	1.00 92.24	E
	ATOM 15001 C HIS E 73	50.716 -0.248 -16.910	1.00 49.01	E	ATOM 15086 CG2 THR E 84	57.673 5.364 -3.035	1.00 94.44	E
	ATOM 15002 O HIS E 73	50.115 0.804 -17.106	1.00 44.87	E	ATOM 15087 C THR E 84	59.336 4.872 -5.456	1.00 72.93	E
	ATOM 15003 N THR E 74	51.880 -0.296 -16.278	1.00 55.00	E	ATOM 15088 O THR E 84	59.611 5.750 -6.271	1.00 74.24	E
	ATOM 15004 CA THR E 74	52.463 0.937 -15.780	1.00 61.59	E	ATOM 15089 N LYS E 85	58.545 3.850 -5.035	1.00 53.81	E
	ATOM 15005 CB THR E 74	51.776 1.341 -14.418	1.00 54.50	E	ATOM 15090 CA LYS E 85	57.930 3.743 -7.737	1.00 53.67	E
	ATOM 15006 OG1 THR E 74	52.765 1.707 -13.448	1.00 57.01	E	ATOM 15091 CB LYS E 85	57.099 2.466 -7.140	1.00 82.64	E
	ATOM 15007 CG2 THR E 74	50.942 0.191 -13.870	1.00 59.33	E	ATOM 15092 CG LYS E 85	57.817 1.259 -7.703	1.00 79.58	E

65251/C766

1	ATOM 15093 CD LYS E 85	56.807	0.143	-7.952	1.00	77.98	E	ATOM 15178 CB GLN E 97	31.970	-4.794	-21.024	1.00	143.65	E
	ATOM 15094 CE LYS E 85	57.436	-1.038	-8.668	1.00	76.28	E	ATOM 15179 CG GLN E 97	33.031	-4.213	-21.946	1.00	143.65	E
	ATOM 15095 NZ LYS E 85	58.525	-1.683	-7.877	1.00	74.53	E	ATOM 15180 CD GLN E 97	32.466	-3.776	-23.286	1.00	143.65	E
	ATOM 15096 C LYS E 85	56.999	4.928	-7.254	1.00	53.47	E	ATOM 15181 OE1 GLN E 97	31.572	-2.932	-23.353	1.00	143.65	E
	ATOM 15097 O LYS E 85	56.105	5.166	-6.448	1.00	53.92	E	ATOM 15182 NE2 GLN E 97	32.988	-4.351	-24.364	1.00	143.65	E
	ATOM 15098 N VAL E 86	57.235	5.684	-8.325	1.00	57.16	E	ATOM 15183 C GLN E 97	31.419	-6.328	-19.120	1.00	200.40	E
	ATOM 15099 CA VAL E 86	56.360	6.792	-8.699	1.00	60.05	E	ATOM 15184 O GLN E 97	30.247	-5.989	-19.282	1.00	200.40	E
	ATOM 15100 CB VAL E 86	57.034	8.199	-8.550	1.00	65.03	E	ATOM 15185 N ARG E 98	31.791	-7.324	-18.314	1.00	200.84	E
	ATOM 15101 CG1 VAL E 86	57.383	8.451	-7.100	1.00	71.77	E	ATOM 15186 CA ARG E 98	30.841	-8.117	-17.529	1.00	200.84	E
5	ATOM 15102 CG2 VAL E 86	58.267	8.300	-9.399	1.00	66.30	E	ATOM 15187 CB ARG E 98	29.893	-7.184	-16.756	1.00	189.26	E
	ATOM 15103 C VAL E 86	56.031	6.495	-10.157	1.00	60.72	E	ATOM 15188 CG ARG E 98	28.744	-7.876	-16.030	1.00	189.26	E
	ATOM 15104 O VAL E 86	56.918	6.238	-10.963	1.00	65.41	E	ATOM 15189 CD ARG E 98	29.227	-8.810	-14.934	1.00	189.26	E
	ATOM 15105 N ASN E 87	54.750	6.486	-10.483	1.00	61.40	E	ATOM 15190 NE ARG E 98	28.135	-9.622	-14.403	1.00	189.26	E
	ATOM 15106 CA ASN E 87	54.333	6.188	-11.842	1.00	58.08	E	ATOM 15191 CZ ARG E 98	27.013	-9.129	-13.888	1.00	189.26	E
	ATOM 15107 CB ASN E 87	52.828	5.937	-11.864	1.00	56.96	E	ATOM 15192 NH1 ARG E 98	26.078	-9.951	-13.431	1.00	189.26	E
	ATOM 15108 CG ASN E 87	52.444	4.669	-11.142	1.00	57.26	E	ATOM 15193 NH2 ARG E 98	26.823	-7.817	-13.827	1.00	189.26	E
	ATOM 15109 OD1 ASN E 87	53.302	3.886	-10.732	1.00	59.87	E	ATOM 15194 C ARG E 98	30.041	-9.102	-18.397	1.00	200.84	E
	ATOM 15110 ND2 ASN E 87	51.148	4.448	-10.995	1.00	54.22	E	ATOM 15195 O ARG E 98	29.177	-9.825	-17.896	1.00	200.84	E
	ATOM 15111 C ASN E 87	54.684	7.259	-12.868	1.00	56.90	E	ATOM 15196 N GLU E 99	30.347	-9.138	-19.695	1.00	200.84	E
	ATOM 15112 O ASN E 87	54.418	8.443	-12.651	1.00	55.48	E	ATOM 15197 CA GLU E 99	29.662	-10.032	-20.630	1.00	200.84	E
10	ATOM 15113 N LEU E 88	55.274	6.845	-13.989	1.00	57.59	E	ATOM 15198 CB GLU E 99	30.458	-10.167	-21.935	1.00	164.54	E
	ATOM 15114 CA LEU E 88	55.618	7.785	-15.054	1.00	56.58	E	ATOM 15199 CG GLU E 99	31.834	-9.514	-21.916	1.00	164.54	E
	ATOM 15115 CB LEU E 88	56.984	7.477	-15.650	1.00	55.78	E	ATOM 15200 CD GLU E 99	31.788	-8.038	-22.267	1.00	164.54	E
	ATOM 15116 CG LEU E 88	58.179	7.553	-14.720	1.00	32.71	E	ATOM 15201 OE1 GLU E 99	30.894	-7.332	-21.754	1.00	164.54	E
	ATOM 15117 CD1 LEU E 88	59.432	7.248	-15.518	1.00	33.48	E	ATOM 15202 OE2 GLU E 99	32.651	-7.582	-23.049	1.00	164.54	E
	ATOM 15118 CD2 LEU E 88	58.242	8.927	-14.084	1.00	31.28	E	ATOM 15203 C GLU E 99	29.434	-11.422	-20.041	1.00	200.84	E
	ATOM 15119 C LEU E 88	54.586	7.670	-16.157	1.00	55.82	E	ATOM 15204 O GLU E 99	28.317	-11.936	-20.076	1.00	200.84	E
	ATOM 15120 O LEU E 88	54.119	8.667	-16.695	1.00	54.29	E	ATOM 15205 N THR E 100	30.498	-12.016	-19.502	1.00	200.84	E
	ATOM 15121 N LEU E 89	54.234	6.435	-16.487	1.00	51.56	E	ATOM 15206 CA THR E 100	30.448	-13.349	-18.900	1.00	200.84	E
	ATOM 15122 CA LEU E 89	53.264	6.167	-17.532	1.00	50.48	E	ATOM 15207 CB THR E 100	29.760	-13.319	-17.508	1.00	168.16	E
	ATOM 15123 CB LEU E 89	53.987	5.737	-18.808	1.00	42.69	E	ATOM 15208 OG1 THR E 100	28.455	-12.742	-17.625	1.00	168.44	E
	ATOM 15124 CG LEU E 89	55.088	6.659	-19.325	1.00	46.67	E	ATOM 15209 CG2 THR E 100	30.581	-12.502	-16.520	1.00	169.33	E
15	ATOM 15125 CD1 LEU E 89	55.995	5.860	-20.242	1.00	46.40	E	ATOM 15210 C THR E 100	29.730	-14.367	-19.789	1.00	200.84	E
	ATOM 15126 CD2 LEU E 89	54.496	7.847	-20.046	1.00	45.79	E	ATOM 15211 O THR E 100	28.534	-14.251	-20.050	1.00	200.84	E
	ATOM 15127 C LEU E 89	52.364	5.040	-17.046	1.00	52.15	E	ATOM 15212 N PRO E 101	30.462	-15.389	-20.261	1.00	190.62	E
	ATOM 15128 O LEU E 89	52.837	4.091	-16.418	1.00	52.87	E	ATOM 15213 CD PRO E 101	31.871	-15.675	-19.939	1.00	132.11	E
	ATOM 15129 N SER E 90	51.074	5.137	-17.340	1.00	44.09	E	ATOM 15214 CA PRO E 101	29.909	-16.436	-21.124	1.00	190.62	E
	ATOM 15130 CA SER E 90	50.139	4.114	-16.913	1.00	43.43	E	ATOM 15215 CB PRO E 101	30.971	-17.528	-21.052	1.00	133.06	E
	ATOM 15131 CB SER E 90	49.812	4.301	-15.436	1.00	75.67	E	ATOM 15216 CG PRO E 101	32.230	-16.735	-20.961	1.00	131.09	E
	ATOM 15132 OG SER E 90	48.839	3.361	-15.015	1.00	79.89	E	ATOM 15217 C PRO E 101	28.532	-16.928	-20.683	1.00	190.62	E
	ATOM 15133 C SER E 90	48.849	4.138	-17.705	1.00	42.06	E	ATOM 15218 O PRO E 101	28.393	-17.573	-19.644	1.00	190.62	E
	ATOM 15134 O SER E 90	48.386	5.194	-18.117	1.00	41.88	E	ATOM 15219 N GLU E 102	27.522	-16.612	-21.487	1.00	180.84	E
20	ATOM 15135 N ALA E 91	48.261	2.970	-17.918	1.00	49.67	E	ATOM 15220 CA GLU E 102	26.145	-17.008	-21.216	1.00	180.84	E
	ATOM 15136 CA ALA E 91	47.000	2.896	-18.636	1.00	47.76	E	ATOM 15221 CB GLU E 102	25.289	-16.749	-22.465	1.00	150.09	E
	ATOM 15137 CB ALA E 91	47.248	2.693	-20.115	1.00	34.73	E	ATOM 15222 CG GLU E 102	23.834	-17.189	-22.366	1.00	151.29	E
	ATOM 15138 C ALA E 91	46.177	1.751	-18.066	1.00	51.73	E	ATOM 15223 CD GLU E 102	23.666	-18.697	-22.446	1.00	152.60	E
	ATOM 15139 O ALA E 91	46.721	0.834	-17.435	1.00	53.60	E	ATOM 15224 OE1 GLU E 102	24.074	-19.292	-23.468	1.00	153.41	E
	ATOM 15140 N ILE E 92	44.865	1.818	-18.275	1.00	60.53	E	ATOM 15225 OE2 GLU E 102	23.125	-19.285	-21.485	1.00	151.72	E
	ATOM 15141 CA ILE E 92	43.948	0.794	-17.783	1.00	60.51	E	ATOM 15226 C GLU E 102	26.043	-18.476	-20.790	1.00	177.40	E
	ATOM 15142 CB ILE E 92	43.077	1.342	-16.651	1.00	69.86	E	ATOM 15227 O GLU E 102	25.267	-18.820	-19.897	1.00	174.46	E
	ATOM 15143 CG2 ILE E 92	42.236	0.233	-16.072	1.00	75.93	E	ATOM 15228 N GLY E 103	26.835	-19.335	-21.427	1.00	125.36	E
	ATOM 15144 CG1 ILE E 92	43.961	1.940	-15.557	1.00	67.97	E	ATOM 15229 CA GLY E 103	26.815	-20.753	-21.106	1.00	122.68	E
	ATOM 15145 CD1 ILE E 92	43.196	2.666	-14.477	1.00	73.84	E	ATOM 15230 C GLY E 103	27.144	-21.607	-22.318	1.00	120.55	E
	ATOM 15146 C ILE E 92	43.040	0.360	-18.917	1.00	60.34	E	ATOM 15231 O GLY E 103	27.381	-22.812	-22.202	1.00	115.04	E
25	ATOM 15147 O ILE E 92	42.701	1.171	-19.775	1.00	61.42	E	ATOM 15232 N ALA E 104	27.155	-20.975	-23.488	1.00	185.08	E
	ATOM 15148 N LYS E 93	42.641	-0.907	-18.929	1.00	76.72	E	ATOM 15233 CA ALA E 104	27.460	-21.659	-24.739	1.00	185.08	E
	ATOM 15149 CA LYS E 93	41.771	-1.398	-19.987	1.00	77.37	E	ATOM 15234 CB ALA E 104	26.166	-21.953	-25.505	1.00	87.10	E
	ATOM 15150 CB LYS E 93	42.615	-2.002	-21.113	1.00	87.35	E	ATOM 15235 C ALA E 104	28.394	-20.798	-25.590	1.00	185.08	E
	ATOM 15151 CG LYS E 93	41.988	-1.884	-22.491	1.00	91.04	E	ATOM 15236 O ALA E 104	28.015	-19.708	-26.018	1.00	185.08	E
	ATOM 15152 CD LYS E 93	43.050	-1.935	-23.583	1.00	90.81	E	ATOM 15237 N GLU E 105	29.610	-21.300	-25.814	1.00	174.09	E
	ATOM 15153 CE LYS E 93	42.455	-1.671	-24.974	1.00	90.71	E	ATOM 15238 CA GLU E 105	30.653	-20.635	-26.608	1.00	174.09	E
	ATOM 15154 NZ LYS E 93	43.480	-1.654	-26.072	1.00	93.28	E	ATOM 15239 CB GLU E 105	30.044	-19.649	-27.615	1.00	155.26	E
	ATOM 15155 C LYS E 93	40.816	-2.435	-19.418	1.00	79.07	E	ATOM 15240 CG GLU E 105	29.235	-20.309	-28.723	1.00	155.26	E
	ATOM 15156 O LYS E 93	41.225	-3.304	-18.644	1.00	76.99	E	ATOM 15241 CD GLU E 105	30.065	-21.251	-29.563	1.00	155.26	E
	ATOM 15157 N SER E 94	39.544	-2.331	-19.796	1.00	74.63	E	ATOM 15242 OE1 GLU E 105	30.535	-22.273	-29.022	1.00	155.26	E
	ATOM 15158 CA SER E 94	38.502	-3.249	-19.329	1.00	77.08	E	ATOM 15243 OE2 GLU E 105	30.251	-20.973	-30.765	1.00	154.03	E
30	ATOM 15159 CB SER E 94	37.284	-2.453	-18.856	1.00	119.38	E	ATOM 15244 C GLU E 105	31.713	-19.914	-25.774	1.00	174.09	E
	ATOM 15160 OG SER E 94	36.770	-1.634	-19.897	1.00	121.81	E	ATOM 15245 O GLU E 105	32.398	-20.533	-24.957	1.00	174.09	E
	ATOM 15161 C SER E 94	38.076	-4.206	-20.439	1.00	79.67	E	ATOM 15246 N ALA E 106	31.846	-18.608	-26.006	1.00	166.37	E
	ATOM 15162 O SER E 94	37.218	-3.873	-21.258	1.00	80.94	E	ATOM 15247 CA ALA E 106	32.810	-17.748	-25.314	1.00	166.37	E
	ATOM 15163 N PRO E 95	38.653	-5.419	-20.465	1.00	68.27	E	ATOM 15248 CB ALA E 106	32.981	-18.191	-23.854	1.00	81.77	E
	ATOM 15164 CD PRO E 95	39.494	-6.002	-19.404	1.00	117.08	E	ATOM 15249 C ALA E 106	34.165	-17.727	-26.021	1.00	166.37	E
	ATOM 15165 CA PRO E 95	38.333	-6.425	-21.484	1.00	72.21	E	ATOM 15250 O ALA E 106	35.092	-18.437	-25.629	1.00	166.37	E
	ATOM 15166 CB PRO E 95	39.306	-7.553	-21.160	1.00	120.02	E	ATOM 15251 N LYS E 107	34.270	-16.905	-27.064	1.00	158.78	E
	ATOM 15167 CG PRO E 95	39.377	-7.490	-19.673	1.00	117.47	E	ATOM 15252 CA LYS E 107	35.502	-16.769	-27.843	1.00	152.90	E
	ATOM 15168 C PRO E 95	36.879	-6.875	-21.435	1.00	76.64	E	ATOM 15253 CB LYS E 107	35.244	-15.939	-29.109	1.00	185.17	

65251/C766

1	ATOM 15257 NZ LYS E 107	33.032 -18.694 -31.716	1.00182.85	E	ATOM 15342 CA GLY E 117	57.248 9.142 -23.053	1.00 43.89	E
	ATOM 15258 C LYS E 107	36.612 -16.100 -27.032	1.00148.38	E	ATOM 15343 C GLY E 117	58.713 9.455 -22.774	1.00 45.20	E
	ATOM 15259 O LYS E 107	36.363 -15.563 -25.952	1.00147.51	E	ATOM 15344 O GLY E 117	59.519 8.540 -22.577	1.00 46.58	E
	ATOM 15260 N PRO E 108	37.858 -16.134 -27.541	1.00101.33	E	ATOM 15345 N VAL E 118	59.061 10.742 -22.757	1.00 44.78	E
5	ATOM 15261 CD PRO E 108	38.334 -16.909 -28.704	1.00 90.61	E	ATOM 15346 CA VAL E 118	60.436 11.174 -22.503	1.00 47.56	E
	ATOM 15262 CA PRO E 108	38.987 -15.515 -26.841	1.00100.07	E	ATOM 15347 CB VAL E 118	60.835 12.279 -23.483	1.00 36.69	E
	ATOM 15263 CB PRO E 108	40.189 -16.268 -27.402	1.00 89.76	E	ATOM 15348 CG1 VAL E 118	62.228 12.783 -23.165	1.00 38.09	E
	ATOM 15264 CG PRO E 108	39.794 -16.472 -28.824	1.00 87.14	E	ATOM 15349 CG2 VAL E 118	60.776 11.744 -24.903	1.00 36.75	E
10	ATOM 15265 C PRO E 108	39.047 -14.019 -27.146	1.00 99.30	E	ATOM 15350 C VAL E 118	60.580 11.673 -21.065	1.00 45.47	E
	ATOM 15266 O PRO E 108	38.480 -13.558 -28.139	1.00 97.48	E	ATOM 15351 O VAL E 118	59.719 12.393 -20.577	1.00 49.42	E
	ATOM 15267 N TRP E 109	39.718 -13.264 -26.282	1.00106.66	E	ATOM 15352 N PHE E 119	61.660 11.281 -20.388	1.00 48.03	E
	ATOM 15268 CA TRP E 109	39.856 -11.827 -26.479	1.00104.11	E	ATOM 15353 CA PHE E 119	61.869 11.662 -18.990	1.00 49.34	E
15	ATOM 15269 CB TRP E 109	38.985 -11.048 -25.493	1.00 96.92	E	ATOM 15354 CB PHE E 119	61.372 10.559 -18.056	1.00 34.83	E
	ATOM 15270 CG TRP E 109	39.218 -11.385 -24.050	1.00 96.61	E	ATOM 15355 CG PHE E 119	59.904 10.273 -18.179	1.00 32.43	E
	ATOM 15271 CD2 TRP E 109	40.243 -10.861 -23.193	1.00 95.62	E	ATOM 15356 CD1 PHE E 119	59.414 9.447 -19.187	1.00 30.62	E
	ATOM 15272 CE2 TRP E 109	40.068 -11.452 -21.922	1.00 94.87	E	ATOM 15357 CD2 PHE E 119	58.995 10.855 -17.305	1.00 31.11	E
20	ATOM 15273 CE3 TRP E 109	41.292 -9.951 -23.375	1.00 95.72	E	ATOM 15358 CE1 PHE E 119	58.033 9.212 -19.318	1.00 31.69	E
	ATOM 15274 CD1 TRP E 109	38.490 -12.248 -23.286	1.00 93.71	E	ATOM 15359 CE2 PHE E 119	57.620 10.624 -17.428	1.00 31.92	E
	ATOM 15275 NE1 TRP E 109	38.991 -12.293 -22.008	1.00 92.03	E	ATOM 15360 CZ PHE E 119	57.140 9.807 -18.430	1.00 31.01	E
	ATOM 15276 C22 TRP E 109	40.902 -11.165 -20.838	1.00 91.32	E	ATOM 15361 C PHE E 119	63.309 11.973 -18.613	1.00 50.25	E
25	ATOM 15277 CZ3 TRP E 109	42.123 -9.666 -22.294	1.00 95.48	E	ATOM 15362 O PHE E 119	64.250 11.434 -19.201	1.00 46.35	E
	ATOM 15278 CH2 TRP E 109	41.920 -10.272 -21.043	1.00 91.12	E	ATOM 15363 N GLN E 120	63.460 12.850 -17.620	1.00 41.40	E
	ATOM 15279 C TRP E 109	41.299 -11.373 -26.331	1.00105.72	E	ATOM 15364 CA GLN E 120	64.764 13.247 -17.093	1.00 44.77	E
	ATOM 15280 O TRP E 110	42.061 -11.917 -25.525	1.00107.33	E	ATOM 15365 CB GLN E 120	64.670 14.611 -16.412	1.00 84.23	E
30	ATOM 15281 N TYR E 110	41.665 -10.375 -27.128	1.00 64.64	E	ATOM 15366 CG GLN E 120	65.581 15.686 -16.985	1.00 84.38	E
	ATOM 15282 CA TYR E 110	43.009 -9.818 -27.098	1.00 63.28	E	ATOM 15367 CD GLN E 120	67.038 15.262 -17.039	1.00 83.98	E
	ATOM 15283 CB TYR E 110	43.710 -10.037 -28.435	1.00 69.92	E	ATOM 15368 OE1 GLN E 120	67.542 14.629 -16.116	1.00 83.54	E
	ATOM 15284 CG TYR E 110	43.943 -11.487 -28.793	1.00 73.47	E	ATOM 15369 NE2 GLN E 120	67.727 15.624 -18.118	1.00 86.81	E
35	ATOM 15285 CD1 TYR E 110	42.889 -12.309 -29.202	1.00 77.56	E	ATOM 15370 C GLN E 120	65.087 12.187 -16.046	1.00 43.91	E
	ATOM 15286 CE1 TYR E 110	43.115 -13.637 -29.573	1.00 77.88	E	ATOM 15371 O GLN E 120	64.302 11.987 -15.129	1.00 46.61	E
	ATOM 15287 CD2 TYR E 110	45.230 -12.032 -28.757	1.00 73.70	E	ATOM 15372 N LEU E 121	66.223 11.502 -16.186	1.00 46.31	E
	ATOM 15288 CE2 TYR E 110	45.464 -13.353 -29.125	1.00 79.07	E	ATOM 15373 CA LEU E 121	66.615 10.449 -15.242	1.00 47.97	E
40	ATOM 15289 CZ TYR E 110	44.408 -14.149 -29.532	1.00 79.36	E	ATOM 15374 CB LEU E 121	66.591 9.092 -15.939	1.00 46.08	E
	ATOM 15290 OH TYR E 110	44.665 -15.449 -29.905	1.00 80.56	E	ATOM 15375 CG LEU E 121	65.310 8.270 -15.897	1.00 44.35	E
	ATOM 15291 C TYR E 110	42.916 -8.325 -26.811	1.00 61.79	E	ATOM 15376 CD1 LEU E 121	64.107 9.163 -15.796	1.00 45.74	E
	ATOM 15292 O TYR E 110	42.051 -7.633 -27.349	1.00 62.98	E	ATOM 15377 CD2 LEU E 121	65.242 7.383 -17.133	1.00 39.84	E
45	ATOM 15293 N GLU E 111	43.813 -7.836 -25.964	1.00 57.15	E	ATOM 15378 C LEU E 121	68.001 10.668 -14.652	1.00 50.01	E
	ATOM 15294 CA GLU E 111	43.835 -6.427 -25.595	1.00 55.17	E	ATOM 15379 O LEU E 121	68.876 11.247 -15.305	1.00 55.28	E
	ATOM 15295 CB GLU E 111	43.028 -6.219 -24.317	1.00 77.91	E	ATOM 15380 N GLU E 122	68.189 10.195 -13.420	1.00 63.26	E
	ATOM 15296 CG GLU E 111	42.178 -4.985 -24.342	1.00 84.83	E	ATOM 15381 CA GLU E 122	69.461 10.313 -12.697	1.00 64.80	E
50	ATOM 15297 CD GLU E 111	41.158 -5.021 -25.456	1.00 89.80	E	ATOM 15382 CB GLU E 122	69.242 10.492 -11.194	1.00100.81	E
	ATOM 15298 OE1 GLU E 111	40.330 -5.955 -25.465	1.00 90.01	E	ATOM 15383 CG GLU E 122	68.474 11.699 -10.724	1.00103.85	E
	ATOM 15299 OE2 GLU E 111	41.180 -4.119 -26.322	1.00 96.96	E	ATOM 15384 CD GLU E 122	68.255 11.655 -9.211	1.00109.13	E
	ATOM 15300 C GLU E 111	45.270 -5.951 -25.371	1.00 55.75	E	ATOM 15385 OE1 GLU E 122	67.585 10.714 -8.728	1.00110.63	E
55	ATOM 15301 O GLU E 111	45.922 -6.338 -24.396	1.00 61.11	E	ATOM 15386 OE2 GLU E 122	68.760 12.553 -8.502	1.00109.22	E
	ATOM 15302 N PRO E 112	45.793 -5.124 -26.289	1.00 57.56	E	ATOM 15387 C GLU E 122	70.252 9.027 -12.841	1.00 63.60	E
	ATOM 15303 CD PRO E 112	45.274 -4.911 -27.655	1.00 52.25	E	ATOM 15388 O GLU E 122	69.669 7.952 -12.959	1.00 64.79	E
	ATOM 15304 CA PRO E 112	47.161 -4.602 -26.169	1.00 56.79	E	ATOM 15389 N LYS E 123	71.575 9.124 -12.805	1.00 61.38	E
60	ATOM 15305 CB PRO E 112	47.613 -4.524 -27.613	1.00 48.32	E	ATOM 15390 CA LYS E 123	72.391 7.925 -12.873	1.00 62.23	E
	ATOM 15306 CG PRO E 112	46.357 -4.036 -28.287	1.00 49.45	E	ATOM 15391 CB LYS E 123	73.869 8.271 -12.755	1.00 81.87	E
	ATOM 15307 C PRO E 112	47.187 -3.227 -25.509	1.00 53.82	E	ATOM 15392 CG LYS E 123	74.753 7.054 -12.588	1.00 78.03	E
	ATOM 15308 O PRO E 112	46.196 -2.507 -25.535	1.00 53.95	E	ATOM 15393 CD LYS E 123	76.201 7.447 -12.408	1.00 75.70	E
65	ATOM 15309 N ILE E 113	48.321 -2.877 -24.914	1.00 59.33	E	ATOM 15394 CE LYS E 123	77.070 6.223 -12.215	1.00 77.43	E
	ATOM 15310 CA ILE E 113	48.482 -1.574 -24.279	1.00 61.30	E	ATOM 15395 NZ LYS E 123	78.489 6.603 -11.951	1.00 81.44	E
	ATOM 15311 CB ILE E 113	48.297 -1.633 -22.764	1.00 44.74	E	ATOM 15396 C LYS E 123	71.979 7.058 -11.681	1.00 63.05	E
	ATOM 15312 CG2 ILE E 113	48.516 -0.241 -22.191	1.00 40.76	E	ATOM 15397 O LYS E 123	71.975 7.519 -10.546	1.00 67.81	E
70	ATOM 15313 CG1 ILE E 113	46.900 -2.140 -22.412	1.00 41.80	E	ATOM 15398 N GLY E 124	71.609 5.811 -11.941	1.00 46.81	E
	ATOM 15314 CD1 ILE E 113	46.600 -2.080 -20.910	1.00 42.28	E	ATOM 15399 CA GLY E 124	71.210 4.927 -10.867	1.00 47.92	E
	ATOM 15315 C ILE E 113	49.885 -1.041 -24.533	1.00 65.52	E	ATOM 15400 C GLY E 124	69.717 4.658 -10.761	1.00 49.33	E
	ATOM 15316 O ILE E 113	50.869 -1.726 -24.264	1.00 68.92	E	ATOM 15401 O GLY E 124	69.300 3.744 -10.040	1.00 50.13	E
75	ATOM 15317 N TYR E 114	49.976 0.180 -25.048	1.00 43.28	E	ATOM 15402 N ASP E 125	68.901 5.435 -11.469	1.00 48.84	E
	ATOM 15318 CA TYR E 114	51.273 0.781 -25.324	1.00 41.56	E	ATOM 15403 CA ASP E 125	67.458 5.232 -11.398	1.00 47.63	E
	ATOM 15319 CB TYR E 114	51.368 1.241 -26.789	1.00 33.45	E	ATOM 15404 CB ASP E 125	66.722 6.288 -12.220	1.00 98.88	E
	ATOM 15320 CG TYR E 114	52.757 1.671 -27.205	1.00 31.31	E	ATOM 15405 CG ASP E 125	66.797 7.668 -11.602	1.00104.34	E
80	ATOM 15321 CD1 TYR E 114	53.709 0.727 -27.595	1.00 35.60	E	ATOM 15406 OD1 ASP E 125	67.214 7.784 -10.432	1.00105.99	E
	ATOM 15322 CE1 TYR E 114	55.015 1.101 -27.915	1.00 35.17	E	ATOM 15407 OD2 ASP E 125	66.426 8.641 -12.289	1.00103.00	E
	ATOM 15323 CD2 TYR E 114	53.141 3.016 -27.149	1.00 31.48	E	ATOM 15408 C ASP E 125	67.055 3.838 -11.872	1.00 46.68	E
	ATOM 15324 CE2 TYR E 114	54.436 3.406 -27.467	1.00 35.81	E	ATOM 15409 O ASP E 125	67.705 3.255 -12.743	1.00 43.59	E
85	ATOM 15325 CZ TYR E 114	55.376 2.438 -27.851	1.00 35.89	E	ATOM 15410 N ARG E 126	65.982 3.312 -11.284	1.00 67.69	E
	ATOM 15326 OH TYR E 114	56.674 2.794 -28.173	1.00 35.39	E	ATOM 15411 CA ARG E 126	65.460 1.995 -11.625	1.00 63.17	E
	ATOM 15327 C TYR E 114	51.488 1.972 -24.404	1.00 41.40	E	ATOM 15412 CB ARG E 126	65.326 1.135 -10.370	1.00 88.24	E
	ATOM 15328 O TYR E 114	50.552 2.712 -24.105	1.00 44.31	E	ATOM 15413 CG ARG E 126	66.629 0.698 -9.743	1.00 86.73	E
90	ATOM 15329 N LEU E 115	52.729 2.154 -23.972	1.00 49.47	E	ATOM 15414 CD ARG E 126	66.369 0.046 -8.388	1.00 91.65	E
	ATOM 15330 CA LEU E 115	53.095 3.238 -23.072	1.00 48.51	E	ATOM 15415 NE ARG E 126	67.534 -0.689 -7.903	1.00 95.20	E
	ATOM 15331 CB LEU E 115	53.244 2.680 -21.653	1.00 73.89	E	ATOM 15416 CZ ARG E 126	67.893 -1.898 -8.335	1.00 98.43	E
	ATOM 15332 CG LEU E 115	52.235 3.019 -20.551	1.00 77.14	E	ATOM 15417 NH1 ARG E 126	68.975 -2.493 -7.840	1.00 98.10	E
95	ATOM 15333 CD1 LEU E 115	50.822 3.076 -21.092	1.00 75.52	E	ATOM 15418 NH2 ARG E 126	67.161 -2.525 -9.249	1.00 96.62	E
	ATOM 15334 CD2 LEU E 115	52.361 1.980 -19.450	1.00 80.44	E	ATOM 15419 C ARG E 126	64.081 2.121 -12.278	1.00 64.01	E
	ATOM 15335 C LEU E 115	54.425 3.838 -23.528	1.00 50.95	E	ATOM 15420 O ARG E 126	63.161 2.700 -11.695	1.00 61.23	E
	ATOM 15336 O LEU E 115	55.342 3.107 -23.897	1.00 53.48	E	ATOM 15421 N LEU E 127	63.929 1.568 -13.478	1	

65251/C766

1	ATOM 15427 C LEU E 127	61.977	0.267	-14.170	1.00	53.76	E	ATOM 15512 CA LEU E 138	50.125	-13.432	-24.095	1.00	87.27	E
	ATOM 15428 O LEU E 127	62.620	-0.755	-14.403	1.00	49.96	E	ATOM 15513 CB LEU E 138	49.045	-13.165	-25.156	1.00	69.33	E
	ATOM 15429 N SER E 128	60.678	0.259	-13.908	1.00	47.58	E	ATOM 15514 CG LEU E 138	49.419	-13.762	-26.530	1.00	65.45	E
	ATOM 15430 CA SER E 128	59.909	-0.977	-13.853	1.00	47.25	E	ATOM 15515 CD1 LEU E 138	49.850	-15.216	-26.371	1.00	67.02	E
	ATOM 15431 CB SER E 128	59.357	-1.194	-12.439	1.00	73.27	E	ATOM 15516 CD2 LEU E 138	48.256	-13.663	-27.495	1.00	68.37	E
5	ATOM 15432 OG SER E 128	60.300	-0.831	-11.446	1.00	79.12	E	ATOM 15517 C LEU E 138	51.487	-13.132	-24.703	1.00	90.62	E
	ATOM 15433 C SER E 128	58.734	-0.924	-14.811	1.00	46.43	E	ATOM 15518 O LEU E 138	51.651	-12.156	-25.431	1.00	89.77	E
	ATOM 15434 O SER E 128	58.081	0.111	-14.941	1.00	47.71	E	ATOM 15519 N PHE E 139	52.464	-13.971	-24.392	1.00	65.08	E
	ATOM 15435 N ALA E 129	58.467	-2.042	-15.472	1.00	50.59	E	ATOM 15520 CA PHE E 139	53.801	-13.806	-24.936	1.00	66.46	E
	ATOM 15436 CA ALA E 129	57.342	-2.147	-16.392	1.00	51.56	E	ATOM 15521 CB PHE E 139	54.815	-13.626	-23.803	1.00	104.94	E
10	ATOM 15437 CB ALA E 129	57.838	-2.430	-17.807	1.00	49.59	E	ATOM 15522 CG PHE E 139	54.633	-14.580	-22.660	1.00	104.09	E
	ATOM 15438 C ALA E 129	56.532	-3.322	-15.857	1.00	50.33	E	ATOM 15523 CD1 PHE E 139	55.019	-14.209	-21.378	1.00	103.62	E
	ATOM 15439 O ALA E 129	56.868	-4.484	-16.108	1.00	51.21	E	E						
	ATOM 15440 N GLU E 130	55.469	-3.022	-15.113	1.00	50.18	E	ATOM 15524 CD2 PHE E 139	54.099	-15.850	-22.860	1.00	106.70	E
	ATOM 15441 CA GLU E 130	54.656	-4.064	-14.502	1.00	51.15	E	E						
15	ATOM 15442 CB GLU E 130	54.735	-3.921	-12.985	1.00	114.97	E	ATOM 15525 CE1 PHE E 139	54.878	-15.085	-20.310	1.00	108.26	E
	ATOM 15443 CG GLU E 130	56.160	-4.014	-12.456	1.00	114.51	E	ATOM 15526 CE2 PHE E 139	53.953	-16.734	-21.802	1.00	104.24	E
	ATOM 15444 CD GLU E 130	56.333	-3.389	-11.081	1.00	120.00	E	ATOM 15527 CZ PHE E 139	54.343	-16.351	-20.522	1.00	108.18	E
	ATOM 15445 OE1 GLU E 130	57.451	-3.478	-10.527	1.00	121.37	E	ATOM 15528 C PHE E 139	54.140	-15.022	-25.796	1.00	70.49	E
	ATOM 15446 OE2 GLU E 130	55.360	-2.806	-10.554	1.00	119.81	E	ATOM 15529 O PHE E 139	55.272	-15.505	-25.801	1.00	70.59	E
20	ATOM 15447 C GLU E 130	53.208	-4.099	-14.947	1.00	47.54	E	ATOM 15530 N ALA E 140	53.135	-15.498	-26.528	1.00	81.82	E
	ATOM 15448 O GLU E 130	52.707	-3.146	-15.533	1.00	47.46	E	ATOM 15531 CA ALA E 140	53.277	-16.664	-27.393	1.00	83.12	E
	ATOM 15449 N ILE E 131	52.554	-5.231	-14.686	1.00	75.14	E	ATOM 15532 CB ALA E 140	51.903	-17.275	-27.684	1.00	56.26	E
	ATOM 15450 CA ILE E 131	51.142	-5.435	-15.018	1.00	77.68	E	ATOM 15533 C ALA E 140	53.979	-16.354	-28.703	1.00	83.51	E
	ATOM 15451 CB ILE E 131	50.949	-6.401	-16.199	1.00	69.01	E	ATOM 15534 O ALA E 140	54.878	-17.086	-29.112	1.00	85.40	E
25	ATOM 15452 CG2 ILE E 131	51.485	-5.774	-17.477	1.00	69.24	E	ATOM 15535 N GLU E 141	53.566	-15.274	-29.360	1.00	108.89	E
	ATOM 15453 CG1 ILE E 131	51.632	-7.735	-15.890	1.00	65.20	E	ATOM 15536 CA GLU E 141	54.152	-14.906	-30.638	1.00	112.07	E
	ATOM 15454 CD1 ILE E 131	51.418	-8.780	-16.951	1.00	63.81	E	ATOM 15537 CB GLU E 141	53.301	-13.841	-31.337	1.00	177.34	E
	ATOM 15455 C ILE E 131	50.490	-6.059	-13.800	1.00	79.57	E	ATOM 15538 CG GLU E 141	53.762	-13.505	-32.754	1.00	177.34	E
	ATOM 15456 O ILE E 131	51.177	-6.615	-12.945	1.00	80.29	E	ATOM 15539 CD GLU E 141	54.870	-12.463	-32.796	1.00	177.34	E
30	ATOM 15457 N ASN E 132	49.168	-5.989	-13.728	1.00	67.58	E	ATOM 15540 OE1 GLU E 141	55.638	-12.453	-33.778	1.00	177.34	E
	ATOM 15458 CA ASN E 132	48.459	-6.532	-12.583	1.00	64.58	E	ATOM 15541 OE2 GLU E 141	54.967	-11.642	-31.859	1.00	177.34	E
	ATOM 15459 CB ASN E 132	47.284	-5.628	-12.246	1.00	65.53	E	E						
	ATOM 15460 CG ASN E 132	46.238	-5.628	-13.330	1.00	64.23	E	ATOM 15542 C GLU E 141	55.596	-14.439	-30.547	1.00	114.17	E
	ATOM 15461 OD1 ASN E 132	46.567	-5.611	-14.510	1.00	65.92	E	ATOM 15543 O GLU E 141	56.508	-15.228	-30.775	1.00	117.85	E
35	ATOM 15462 ND2 ASN E 132	44.971	-5.647	-12.942	1.00	62.06	E	ATOM 15544 N SER E 142	55.824	-13.175	-30.209	1.00	93.92	E
	ATOM 15463 C ASN E 132	47.962	-7.965	-12.773	1.00	62.23	E	ATOM 15545 CA SER E 142	57.196	-12.689	-30.159	1.00	96.91	E
	ATOM 15464 O ASN E 132	47.825	-8.702	-11.802	1.00	65.40	E	ATOM 15546 CB SER E 142	57.854	-12.912	-31.516	1.00	55.33	E
	ATOM 15465 N ARG E 133	47.691	-8.363	-14.014	1.00	62.53	E	ATOM 15547 OG SER E 142	59.261	-12.796	-31.434	1.00	56.21	E
	ATOM 15466 CA ARG E 133	47.199	-9.714	-14.289	1.00	58.12	E	ATOM 15548 C SER E 142	57.327	-11.217	-29.786	1.00	98.23	E

65251/C766

1	ATOM 15593 N GLY E 148	61.558 -1.015 -23.204	1.00 32.34	E	ATOM 15678 N TYR E 159	78.993 -30.753 -39.741	1.00 41.45	E
	ATOM 15594 CA GLY E 148	62.856 -0.487 -23.577	1.00 36.82	E	ATOM 15679 CA TYR E 159	79.029 -31.353 -41.071	1.00 41.45	E
	ATOM 15595 C GLY E 148	63.056 0.982 -23.264	1.00 39.04	E	ATOM 15680 CB TYR E 159	78.754 -30.331 -42.162	1.00 27.66	E
	ATOM 15596 O GLY E 148	62.123 1.689 -22.884	1.00 41.65	E	ATOM 15681 CG TYR E 159	77.378 -29.704 -42.147	1.00 31.22	E
	ATOM 15597 N ILE E 149	64.299 1.427 -23.407	1.00 38.46	E	ATOM 15682 CD1 TYR E 159	77.084 -28.632 -41.308	1.00 31.22	E
5	ATOM 15598 CA ILE E 149	64.652 2.818 -23.186	1.00 36.87	E	ATOM 15683 CE1 TYR E 159	75.846 -27.993 -41.360	1.00 31.22	E
	ATOM 15599 CB ILE E 149	64.980 3.127 -21.705	1.00 47.98	E	ATOM 15684 CD2 TYR E 159	76.391 -30.133 -43.034	1.00 31.22	E
	ATOM 15600 CG2 ILE E 149	63.868 2.603 -20.798	1.00 48.53	E	ATOM 15685 CE2 TYR E 159	75.148 -29.503 -43.094	1.00 31.22	E
	ATOM 15601 CG1 ILE E 149	66.295 2.470 -21.301	1.00 44.02	E	ATOM 15686 CZ TYR E 159	74.883 -28.428 -42.255	1.00 31.22	E
	ATOM 15602 CD1 ILE E 149	66.715 2.859 -19.929	1.00 47.27	E	ATOM 15687 OH TYR E 159	73.668 -27.774 -42.325	1.00 31.22	E
10	ATOM 15603 C ILE E 149	65.874 3.144 -24.025	1.00 38.91	E	ATOM 15688 C TYR E 159	80.435 -31.856 -41.267	1.00 41.45	E
	ATOM 15604 O ILE E 149	66.723 2.285 -24.271	1.00 44.08	E	ATOM 15689 O TYR E 159	81.379 -31.103 -41.080	1.00 41.45	E
	ATOM 15605 N ILE E 150	65.951 4.391 -24.463	1.00 50.05	E	ATOM 15690 N THR E 160	80.591 -33.115 -41.652	1.00 36.46	E
	ATOM 15606 CA ILE E 150	67.057 4.861 -25.278	1.00 50.56	E	ATOM 15691 CA THR E 160	81.930 -33.656 -41.858	1.00 36.46	E
	ATOM 15607 CB ILE E 150	66.651 4.888 -26.789	1.00 41.12	E	ATOM 15692 CB THR E 160	82.382 -34.441 -40.627	1.00 49.53	E
15	ATOM 15608 CG2 ILE E 150	65.385 5.704 -26.981	1.00 44.42	E	ATOM 15693 OG1 THR E 160	82.235 -33.617 -39.469	1.00 36.87	E
	ATOM 15609 CG1 ILE E 150	67.773 5.474 -27.647	1.00 39.11	E	ATOM 15694 CG2 THR E 160	83.832 -34.851 -40.757	1.00 36.87	E
	ATOM 15610 CD1 ILE E 150	68.986 4.595 -27.771	1.00 37.12	E	ATOM 15695 C THR E 160	82.124 -34.560 -43.074	1.00 36.46	E
	ATOM 15611 C ILE E 150	67.404 6.269 -24.786	1.00 51.90	E	ATOM 15696 O THR E 160	81.390 -35.525 -43.249	1.00 36.46	E
	ATOM 15612 O ILE E 150	66.520 7.080 -24.512	1.00 51.01	E	ATOM 15697 N VAL E 161	83.098 -34.239 -43.926	1.00 45.76	E
20	ATOM 15613 N ALA E 151	68.692 6.548 -24.650	1.00 61.56	E	ATOM 15698 CA VAL E 161	83.408 -35.102 -45.067	1.00 45.76	E
	ATOM 15614 CA ALA E 151	69.126 7.858 -24.191	1.00 60.30	E	ATOM 15699 CB VAL E 161	83.400 -34.364 -46.425	1.00 61.73	E
	ATOM 15615 CB ALA E 151	70.527 7.767 -23.603	1.00 34.99	E	ATOM 15700 CG1 VAL E 161	82.132 -33.583 -46.581	1.00 46.24	E
	ATOM 15616 C ALA E 151	69.110 8.853 -25.343	1.00 61.26	E	ATOM 15701 CG2 VAL E 161	84.587 -33.474 -46.544	1.00 46.24	E
	ATOM 15617 O ALA E 151	69.768 8.645 -26.361	1.00 63.64	E	ATOM 15702 C VAL E 161	84.807 -35.654 -44.799	1.00 45.76	E
25	ATOM 15618 N LEU E 152	68.363 9.938 -25.178	1.00 76.47	E	ATOM 15703 O VAL E 161	85.699 -34.918 -44.374	1.00 45.76	E
	ATOM 15619 CA LEU E 152	68.277 10.948 -26.217	1.00 80.45	E	ATOM 15704 N THR E 162	84.985 -36.952 -45.027	1.00 51.73	E
	ATOM 15620 CB LEU E 152	66.824 11.367 -26.413	1.00 72.16	E	ATOM 15705 CA THR E 162	86.258 -37.610 -44.773	1.00 51.73	E
	ATOM 15621 CG LEU E 152	65.903 10.225 -26.846	1.00 73.41	E	ATOM 15706 CB THR E 162	86.114 -38.635 -43.623	1.00 94.39	E
	ATOM 15622 CD1 LEU E 152	64.479 10.723 -26.959	1.00 71.10	E	ATOM 15707 OG1 THR E 162	85.163 -38.150 -42.668	1.00 65.72	E
30	ATOM 15623 CD2 LEU E 152	66.374 9.663 -28.174	1.00 72.61	E	ATOM 15708 CG2 THR E 162	87.446 -38.847 -42.920	1.00 65.72	E
	ATOM 15624 C LEU E 152	69.127 12.156 -25.873	1.00 83.30	E	ATOM 15709 C THR E 162	86.753 -38.348 -46.009	1.00 51.73	E
	ATOM 15625 O LEU E 152	70.152 12.398 -26.510	1.00 89.16	E	ATOM 15710 O THR E 162	85.958 -38.817 -46.818	1.00 51.73	E
	ATOM 15626 N ILE E 153	71.405 -23.865 -22.438	1.00 46.46	E	ATOM 15711 N LEU E 163	88.069 -38.448 -46.162	1.00 48.09	E
	ATOM 15627 CA ILE E 153	71.072 -24.718 -23.567	1.00 46.46	E	ATOM 15712 CA LEU E 163	88.642 -39.172 -47.287	1.00 48.09	E
35	ATOM 15628 CB ILE E 153	69.640 -24.474 -24.052	1.00 45.67	E	ATOM 15713 CB LEU E 163	90.082 -38.752 -47.511	1.00 96.09	E
	ATOM 15629 CG2 ILE E 153	68.655 -24.990 -23.024	1.00 42.45	E	ATOM 15714 CG LEU E 163	90.333 -38.219 -48.919	1.00 44.18	E
	ATOM 15630 CG1 ILE E 153	69.433 -22.985 -24.335	1.00 42.45	E	ATOM 15715 CD1 LEU E 163	91.828 -38.039 -49.123	1.00 44.18	E
	ATOM 15631 CD1 ILE E 153	68.033 -22.661 -24.826	1.00 42.45	E	ATOM 15716 CD2 LEU E 163	89.778 -39.170 -49.953	1.00 44.18	E
	ATOM 15632 C ILE E 153	72.020 -24.526 -24.738	1.00 46.46	E	ATOM 15717 C LEU E 163	88.593 -40.679 -47.010	1.00 48.09	E

65251/C766

1	ATOM 15759 CG TYR E 169	85.941 -37.217 -50.669	1.00 63.42	E	ATOM 15844 ODI ASN E 178	71.158 -28.041 -24.138	1.00 53.50	E
	ATOM 15760 CD1 TYR E 169	86.304 -37.587 -51.953	1.00 63.42	E	ATOM 15845 ND2 ASN E 178	69.693 -29.399 -23.104	1.00 53.50	E
	ATOM 15761 CE1 TYR E 169	87.514 -37.176 -52.506	1.00 63.42	E	ATOM 15846 C ASN E 178	73.227 -31.268 -25.942	1.00 44.78	E
	ATOM 15762 CD2 TYR E 169	86.821 -36.421 -49.936	1.00 63.42	E	ATOM 15847 O ASN E 178	73.860 -31.277 -26.992	1.00 44.78	E
	ATOM 15763 CE2 TYR E 169	88.037 -36.003 -50.474	1.00 63.42	E	ATOM 15848 N ASP E 179	73.171 -32.316 -25.131	1.00 48.57	E
	ATOM 15764 CZ TYR E 169	88.379 -36.384 -51.764	1.00 63.42	E	ATOM 15849 CA ASP E 179	73.878 -33.546 -25.472	1.00 48.57	E
	ATOM 15765 OH TYR E 169	89.585 -35.972 -52.304	1.00 63.42	E	ATOM 15850 CB ASP E 179	74.527 -34.173 -24.227	1.00 42.85	E
	ATOM 15766 C TYR E 169	83.321 -39.352 -48.823	1.00 54.43	E	ATOM 15851 CG ASP E 179	73.540 -34.433 -23.104	1.00 46.80	E
	ATOM 15767 O TYR E 169	82.257 -39.266 -49.420	1.00 54.43	E	ATOM 15852 ODI ASP E 179	72.337 -34.151 -23.283	1.00 46.80	E
5	ATOM 15768 N ASP E 170	83.392 -39.677 -47.538	1.00 45.19	E	ATOM 15853 OD2 ASP E 179	73.973 -34.921 -22.033	1.00 46.80	E
	ATOM 15769 CA ASP E 170	82.169 -39.891 -46.778	1.00 45.19	E	ATOM 15854 C ASP E 179	72.952 -34.557 -26.148	1.00 48.57	E
	ATOM 15770 CB ASP E 170	82.403 -40.868 -45.624	1.00 82.11	E	ATOM 15855 O ASP E 179	73.295 -35.720 -26.278	1.00 48.57	E
	ATOM 15771 CG ASP E 170	82.087 -42.292 -46.003	1.00 82.11	E	ATOM 15856 N GLN E 180	71.787 -34.096 -26.593	1.00 37.71	E
	ATOM 15772 ODI ASP E 170	81.107 -42.494 -46.747	1.00 82.11	E	ATOM 15857 CA GLN E 180	70.810 -34.947 -27.258	1.00 37.71	E
	ATOM 15773 OD2 ASP E 170	82.800 -43.208 -45.551	1.00 82.11	E	ATOM 15858 CB GLN E 180	69.400 -34.500 -26.886	1.00 58.82	E
	ATOM 15774 C ASP E 170	81.659 -38.566 -46.229	1.00 45.19	E	ATOM 15859 CG GLN E 180	69.125 -34.434 -25.416	1.00 50.45	E
	ATOM 15775 O ASP E 170	82.426 -37.623 -46.046	1.00 45.19	E	ATOM 15860 CD GLN E 180	69.337 -35.759 -24.742	1.00 50.45	E
	ATOM 15776 N GLY E 171	80.359 -38.493 -45.982	1.00 34.37	E	ATOM 15861 OE1 GLN E 180	70.362 -35.980 -24.119	1.00 50.45	E
	ATOM 15777 CA GLY E 171	79.787 -37.281 -45.432	1.00 34.37	E	ATOM 15862 NE2 GLN E 180	68.371 -36.656 -24.873	1.00 50.45	E
	ATOM 15778 C GLY E 171	78.776 -37.584 -44.341	1.00 34.37	E	ATOM 15863 C GLN E 180	70.901 -34.959 -28.795	1.00 37.71	E
10	ATOM 15779 O GLY E 171	77.956 -38.486 -44.489	1.00 34.37	E	ATOM 15864 O GLN E 180	70.730 -33.928 -29.454	1.00 37.71	E
	ATOM 15780 N VAL E 172	78.859 -36.865 -43.228	1.00 46.71	E	ATOM 15865 N LEU E 181	71.149 -36.127 -29.372	1.00 34.70	E
	ATOM 15781 CA VAL E 172	77.907 -37.027 -42.142	1.00 46.71	E	ATOM 15866 CA LEU E 181	71.190 -36.227 -30.826	1.00 34.70	E
	ATOM 15782 CB VAL E 172	78.452 -37.840 -40.958	1.00 49.30	E	ATOM 15867 CB LEU E 181	71.676 -37.610 -31.255	1.00 45.14	E
	ATOM 15783 CG1 VAL E 172	78.262 -39.291 -41.215	1.00 41.31	E	ATOM 15868 CG LEU E 181	71.624 -37.843 -32.762	1.00 32.57	E
	ATOM 15784 CG2 VAL E 172	79.909 -37.505 -40.710	1.00 41.31	E	ATOM 15869 CD1 LEU E 181	72.530 -36.867 -33.474	1.00 32.57	E
	ATOM 15785 C VAL E 172	77.526 -35.673 -41.587	1.00 46.71	E	ATOM 15870 CD2 LEU E 181	72.032 -39.275 -33.071	1.00 32.57	E
	ATOM 15786 O VAL E 172	78.272 -34.699 -41.699	1.00 46.71	E	ATOM 15871 C LEU E 181	69.773 -35.978 -31.359	1.00 34.70	E
	ATOM 15787 N PHE E 173	76.356 -35.631 -40.971	1.00 36.14	E	ATOM 15872 O LEU E 181	68.805 -36.561 -30.866	1.00 34.70	E
	ATOM 15788 CA PHE E 173	75.860 -34.425 -40.360	1.00 36.14	E	ATOM 15873 N VAL E 182	69.656 -35.103 -32.353	1.00 40.56	E
	ATOM 15789 CB PHE E 173	74.841 -33.757 -41.261	1.00 61.96	E	ATOM 15874 CA VAL E 182	68.356 -34.785 -32.923	1.00 40.56	E
	ATOM 15790 CG PHE E 173	74.079 -32.688 -40.574	1.00 43.78	E	ATOM 15875 CB VAL E 182	68.119 -33.276 -32.960	1.00 56.47	E
15	ATOM 15791 CD1 PHE E 173	74.665 -31.446 -40.338	1.00 43.78	E	ATOM 15876 CG1 VAL E 182	66.784 -32.972 -33.606	1.00 34.95	E
	ATOM 15792 CD2 PHE E 173	72.805 -32.948 -40.069	1.00 43.78	E	ATOM 15877 CG2 VAL E 182	68.158 -32.726 -31.545	1.00 34.95	E
	ATOM 15793 CE1 PHE E 173	73.995 -30.481 -39.605	1.00 43.78	E	ATOM 15878 C VAL E 182	68.231 -35.317 -34.326	1.00 40.56	E
	ATOM 15794 CE2 PHE E 173	72.122 -31.990 -39.328	1.00 43.78	E	ATOM 15879 O VAL E 182	67.180 -35.822 -34.715	1.00 40.56	E
	ATOM 15795 CZ PHE E 173	72.717 -30.754 -39.094	1.00 43.78	E	ATOM 15880 N THR E 183	69.314 -35.215 -35.084	1.00 51.13	E
	ATOM 15796 C PHE E 173	75.197 -34.796 -39.033	1.00 36.14	E	ATOM 15881 CA THR E 183	69.320 -35.683 -36.457	1.00 51.13	E
	ATOM 15797 O PHE E 173	74.497 -35.808 -38.939	1.00 36.14	E	ATOM 15882 CB THR E 183	68.909 -34.562 -37.412	1.00 58.44	E
	ATOM 15798 N TYR E 174	75.434 -33.998 -37.997	1.00 39.21	E	ATOM 15883 OG1 THR E 183	67.556 -34.188 -37.152	1.00 45.03	E
	ATOM 15799 CA TYR E 174	74.822 -34.263 -36.702	1.00 39.21	E	ATOM 15884 CG2 THR E 183	69.063 -35.009 -38.858	1.00 45.03	E
	ATOM 15800 CB TYR E 174	75.847 -34.745 -35.676	1.00 56.79	E	ATOM 15885 C THR E 183	70.681 -36.168 -36.915	1.00 51.13	E
20	ATOM 15801 CG TYR E 174	76.429 -36.104 -35.960	1.00 42.83	E	ATOM 15886 O THR E 183	71.711 -35.586 -36.576	1.00 51.13	E
	ATOM 15802 CD1 TYR E 174	77.726 -36.238 -36.456	1.00 42.83	E	ATOM 15887 N LYS E 184	70.688 -37.248 -37.681	1.00 45.30	E
	ATOM 15803 CE1 TYR E 174	78.275 -37.489 -36.708	1.00 42.83	E	ATOM 15888 CA LYS E 184	71.926 -37.745 -38.254	1.00 45.30	E
	ATOM 15804 CD2 TYR E 174	75.688 -37.266 -35.724	1.00 42.83	E	ATOM 15889 CB LYS E 184	72.352 -39.077 -37.667	1.00 49.40	E
	ATOM 15805 CE2 TYR E 174	76.226 -38.528 -35.975	1.00 42.83	E	ATOM 15890 CG LYS E 184	73.614 -39.577 -38.331	1.00 41.24	E
	ATOM 15806 CZ TYR E 174	77.523 -38.632 -36.468	1.00 42.83	E	ATOM 15891 CD LYS E 184	74.044 -40.935 -37.835	1.00 41.24	E
	ATOM 15807 OH TYR E 174	78.084 -39.871 -36.726	1.00 42.83	E	ATOM 15892 CE LYS E 184	75.281 -41.420 -38.575	1.00 41.24	E
	ATOM 15808 C TYR E 174	74.189 -32.988 -36.186	1.00 39.21	E	ATOM 15893 NZ LYS E 184	75.634 -42.817 -38.193	1.00 41.24	E
	ATOM 15809 O TYR E 174	74.762 -31.903 -36.302	1.00 39.21	E	ATOM 15894 C LYS E 184	71.655 -37.930 -39.735	1.00 45.30	E
	ATOM 15810 N ASP E 175	72.995 -33.133 -35.627	1.00 54.47	E	ATOM 15895 O LYS E 184	70.620 -38.459 -40.127	1.00 45.30	E
	ATOM 15811 CA ASP E 175	72.253 -32.023 -35.053	1.00 54.47	E	ATOM 15896 N ILE E 185	72.576 -37.470 -40.559	1.00 45.04	E
	ATOM 15812 CB ASP E 175	70.864 -31.929 -35.689	1.00 66.56	E	ATOM 15897 CA ILE E 185	72.429 -37.601 -41.994	1.00 45.04	E
25	ATOM 15813 CG ASP E 175	70.073 -30.724 -35.205	1.00 54.77	E	ATOM 15898 CB ILE E 185	72.028 -36.253 -42.634	1.00 51.71	E
	ATOM 15814 ODI ASP E 175	70.261 -30.309 -34.042	1.00 54.77	E	ATOM 15899 CG2 ILE E 185	72.191 -36.312 -44.128	1.00 20.63	E
	ATOM 15815 OD2 ASP E 175	69.245 -30.199 -35.987	1.00 54.77	E	ATOM 15900 CG1 ILE E 185	70.574 -35.928 -42.305	1.00 20.63	E
	ATOM 15816 C ASP E 175	72.127 -32.391 -33.577	1.00 54.47	E	ATOM 15901 CD1 ILE E 185	70.156 -34.517 -42.704	1.00 20.63	E
	ATOM 15817 O ASP E 175	71.485 -33.383 -33.235	1.00 54.47	E	ATOM 15902 C ILE E 185	73.765 -38.050 -42.558	1.00 45.04	E
	ATOM 15818 N HIS E 176	72.750 -31.607 -32.703	1.00 62.67	E	ATOM 15903 O ILE E 185	74.825 -37.596 -42.114	1.00 45.04	E
	ATOM 15819 CA HIS E 176	72.696 -31.876 -31.271	1.00 62.67	E	ATOM 15904 N SER E 186	73.724 -38.964 -43.517	1.00 45.81	E
	ATOM 15820 CB HIS E 176	74.102 -32.127 -30.727	1.00 84.70	E	ATOM 15905 CA SER E 186	74.958 -39.422 -44.138	1.00 45.81	E
	ATOM 15821 CG HIS E 176	74.663 -33.471 -31.068	1.00 53.83	E	ATOM 15906 CB SER E 186	75.396 -40.763 -43.545	1.00 79.56	E
	ATOM 15822 CD2 HIS E 176	75.650 -33.839 -31.921	1.00 53.83	E	ATOM 15907 OG SER E 186	74.299 -41.637 -43.419	1.00 68.67	E
	ATOM 15823 ND1 HIS E 176	74.219 -34.633 -30.474	1.00 53.83	E	ATOM 15908 C SER E 186	74.802 -39.494 -45.653	1.00 45.81	E
30	ATOM 15824 CE1 HIS E 176	74.908 -35.659 -30.943	1.00 53.83	E	ATOM 15909 O SER E 186	73.702 -39.650 -46.172	1.00 45.81	E
	ATOM 15825 NE2 HIS E 176	75.783 -35.205 -31.822	1.00 53.83	E	ATOM 15910 N TYR E 187	75.911 -39.333 -46.357	1.00 52.04	E
	ATOM 15826 C HIS E 176	72.091 -30.736 -30.476	1.00 62.67	E	ATOM 15911 CA TYR E 187	75.908 -39.353 -47.804	1.00 52.04	E
	ATOM 15827 O HIS E 176	72.537 -29.592 -30.586	1.00 62.67	E	ATOM 15912 CB TYR E 187	77.178 -38.712 -48.325	1.00 90.60	E
	ATOM 15828 N TYR E 177	71.065 -31.045 -29.690	1.00 42.70	E	ATOM 15913 CG TYR E 187	77.186 -38.590 -49.811	1.00 44.81	E
	ATOM 15829 CA TYR E 177	70.459 -30.054 -28.804	1.00 42.70	E	ATOM 15914 CD1 TYR E 187	76.368 -37.659 -50.451	1.00 44.81	E
	ATOM 15830 CB TYR E 177	68.946 -30.167 -28.790	1.00 49.61	E	ATOM 15915 CE1 TYR E 187	76.383 -37.516 -51.823	1.00 44.81	E
	ATOM 15831 CG TYR E 177	68.331 -29.215 -27.802	1.00 42.62	E	ATOM 15916 CD2 TYR E 187	78.021 -39.395 -50.588	1.00 44.81	E
	ATOM 15832 CD1 TYR E 177	68.381 -27.840 -28.010	1.00 42.62	E	ATOM 15917 CE2 TYR E 187	78.044 -39.264 -51.975	1.00 44.81	E
	ATOM 15833 CE1 TYR E 177	67.861 -26.952 -27.078	1.00 42.62	E	ATOM 15918 CZ TYR E 187	77.222 -38.314 -52.583	1.00 44.81	E
	ATOM 15834 CD2 TYR E 177	67.741 -29.683 -26.631	1.00 42.62	E	ATOM 15919 OH TYR E 187	77.270 -38.138 -53.946	1.00 44.81	E
	ATOM 15835 CE2 TYR E 177	67.221 -28.810 -25.695	1.00 42.62	E	ATOM 15920 C TYR E 187	75.822 -40.769 -48.334	1.00 52.04	E
35	ATOM 15836 CZ TYR E 177	67.281 -27.440 -25.923	1.00 42.62	E	ATOM 15921 O TYR E 187	76.688 -41.601 -48.049	1.00 52.04	E
	ATOM 15837 OH TYR E 177	66.751 -26.566 -25.000	1.00 42.62	E	ATOM 15922 N ASN E 188	74.774 -41.035 -49.107	1.00 54.72	E
	ATOM 15838 C TYR E 177	71.020 -30.483 -27.450	1.00 42.70	E	ATOM 15923 CA ASN E 188	74.544 -42.344 -49.711	1.00 54.72	E
	ATOM 15839 O TYR E 177	70.726 -31.583 -26.998	1.00 42.70	E	ATOM 15924 CB ASN E 188	73.053 -42.512 -49.969	1.00186.58	E
	ATOM 15840 N ASN E 178	71.824 -29.638 -26.802	1.00 44.78	E	ATOM 15925 CG ASN E 188	72.713 -43.848 -50.563	1.00 47.61	E
	ATOM 15841 CA ASN E 178	72.455 -30.030 -25.541	1.00 44.78	E	ATOM 15926 ODI ASN E 188	73.269 -44.256 -51.578	1.00 47.61	E
	ATOM 15842 CB ASN E 178	71.432 -30.388 -24.460	1.00 61.03	E	ATOM 15927 ND2 ASN E 188	71.788 -44.543 -49.936	1.00 47.61	E
	ATOM 15843 CG ASN E 178	70.744 -29.174 -23.888	1.00 53.50	E	ATOM 15928 C ASN E 188	75.319 -42.427 -51.036	1.00 54.72	E

65251/C766

1	ATOM 15929 O ASN E 188	74.996 -41.710 -51.987	1.00 54.72	E	ATOM 16014 O PHE E 198	67.830 -38.451 -37.558	1.00 48.25	E
	ATOM 15930 N HIS E 189	76.328 -43.300 -51.105	1.00 40.83	E	ATOM 16015 N ARG E 199	66.399 -39.572 -36.257	1.00 46.08	E
	ATOM 15931 CA HIS E 189	77.134 -43.416 -52.316	1.00 40.83	E	ATOM 16016 CA ARG E 199	65.598 -38.404 -35.964	1.00 46.08	E
	ATOM 15932 CB HIS E 189	78.397 -44.198 -52.006	1.00 106.43	E	ATOM 16017 CB ARG E 199	64.492 -38.215 -36.989	1.00 55.25	E
	ATOM 15933 CG HIS E 189	79.370 -43.416 -51.195	1.00 66.97	E	ATOM 16018 CG ARG E 199	63.625 -37.034 -36.653	1.00 55.25	E
	ATOM 15934 CD2 HIS E 189	79.621 -43.409 -49.866	1.00 66.97	E	ATOM 16019 CD ARG E 199	64.347 -35.751 -36.969	1.00 55.25	E
	ATOM 15935 ND1 HIS E 189	80.156 -42.425 -51.743	1.00 66.97	E	ATOM 16020 NE ARG E 199	63.915 -35.246 -38.262	1.00 55.25	E
	ATOM 15936 CE1 HIS E 189	80.851 -41.839 -50.786	1.00 66.97	E	ATOM 16021 CZ ARG E 199	64.704 -34.627 -39.129	1.00 55.25	E
	ATOM 15937 NE2 HIS E 189	80.544 -42.418 -49.637	1.00 66.97	E	ATOM 16022 NH1 ARG E 199	65.978 -34.437 -38.843	1.00 55.25	E
5	ATOM 15938 C HIS E 189	76.416 -44.003 -53.516	1.00 40.83	E	ATOM 16023 NH2 ARG E 199	64.214 -34.186 -40.283	1.00 55.25	E
	ATOM 15939 O HIS E 189	76.749 -43.693 -54.665	1.00 40.83	E	ATOM 16024 C ARG E 199	64.977 -38.622 -34.601	1.00 46.08	E
	ATOM 15940 N GLU E 190	75.421 -44.841 -53.245	1.00 49.11	E	ATOM 16025 O ARG E 199	64.221 -39.568 -34.403	1.00 46.08	E
	ATOM 15941 CA GLU E 190	74.644 -45.479 -54.293	1.00 49.11	E	ATOM 16026 N ALA E 200	65.307 -37.757 -33.654	1.00 51.41	E
	ATOM 15942 CB GLU E 190	73.784 -46.577 -53.676	1.00 104.31	E	ATOM 16027 CA ALA E 200	64.754 -37.877 -32.318	1.00 51.41	E
	ATOM 15943 CG GLU E 190	73.390 -47.679 -54.614	1.00 78.73	E	ATOM 16028 CB ALA E 200	65.258 -36.742 -31.443	1.00 38.61	E
	ATOM 15944 CD GLU E 190	72.651 -48.796 -53.899	1.00 78.73	E	ATOM 16029 C ALA E 200	63.226 -37.858 -32.388	1.00 51.41	E
	ATOM 15945 OE1 GLU E 190	71.539 -48.536 -53.387	1.00 78.73	E	ATOM 16030 O ALA E 200	62.629 -37.066 -33.127	1.00 51.41	E
	ATOM 15946 OE2 GLU E 190	73.181 -49.930 -53.841	1.00 78.73	E	ATOM 16031 N ASP E 201	62.606 -38.741 -31.612	1.00 78.93	E
	ATOM 15947 C GLU E 190	73.770 -44.403 -54.940	1.00 49.11	E	ATOM 16032 CA ASP E 201	61.155 -38.864 -31.558	1.00 78.93	E
	ATOM 15948 O GLU E 190	73.840 -44.148 -56.145	1.00 49.11	E	ATOM 16033 CB ASP E 201	60.783 -40.024 -30.633	1.00 147.71	E
10	ATOM 15949 N THR E 191	72.972 -43.742 -54.112	1.00 47.50	E	ATOM 16034 CG ASP E 201	61.498 -39.948 -29.298	1.00 147.71	E
	ATOM 15950 CA THR E 191	72.053 -42.691 -54.550	1.00 47.50	E	ATOM 16035 OD1 ASP E 201	62.738 -40.115 -29.282	1.00 147.71	E
	ATOM 15951 CB THR E 191	71.006 -42.443 -53.486	1.00 65.12	E	ATOM 16036 OD2 ASP E 201	60.827 -39.711 -28.268	1.00 147.71	E
	ATOM 15952 OG1 THR E 191	70.235 -43.624 -53.305	1.00 65.12	E	ATOM 16037 C ASP E 201	60.429 -37.594 -31.095	1.00 78.93	E
	ATOM 15953 CG2 THR E 191	70.093 -41.351 -53.897	1.00 65.12	E	ATOM 16038 O ASP E 201	59.292 -37.347 -31.492	1.00 78.93	E
	ATOM 15954 C THR E 191	72.688 -41.340 -54.883	1.00 47.50	E	ATOM 16039 N TRP E 202	61.085 -36.789 -30.265	1.00 54.92	E
	ATOM 15955 O THR E 191	72.156 -40.579 -55.686	1.00 47.50	E	ATOM 16040 CA TRP E 202	60.464 -35.574 -29.741	1.00 54.92	E
	ATOM 15956 N ARG E 192	73.809 -41.027 -54.243	1.00 61.52	E	ATOM 16041 CB TRP E 202	61.036 -35.226 -28.370	1.00 52.12	E
	ATOM 15957 CA ARG E 192	74.510 -39.776 -54.483	1.00 61.52	E	ATOM 16042 CG TRP E 202	62.529 -35.126 -28.315	1.00 52.12	E
	ATOM 15958 CB ARG E 192	74.695 -39.535 -55.983	1.00 51.52	E	ATOM 16043 CD2 TRP E 202	63.319 -33.959 -28.559	1.00 52.12	E
	ATOM 15959 CG ARG E 192	75.617 -40.545 -56.642	1.00 51.52	E	ATOM 16044 CE2 TRP E 202	64.673 -34.313 -28.335	1.00 52.12	E
15	ATOM 15960 CD ARG E 192	76.985 -40.540 -56.005	1.00 51.52	E	ATOM 16045 CE3 TRP E 202	63.017 -32.651 -28.944	1.00 52.12	E
	ATOM 15961 NE ARG E 192	77.815 -41.631 -56.496	1.00 51.52	E	ATOM 16046 CD1 TRP E 202	63.407 -36.116 -27.971	1.00 52.12	E
	ATOM 15962 CZ ARG E 192	78.264 -41.735 -57.748	1.00 51.52	E	ATOM 16047 NE1 TRP E 202	64.697 -35.634 -27.975	1.00 52.12	E
	ATOM 15963 NH1 ARG E 192	77.966 -40.804 -58.639	1.00 51.52	E	ATOM 16048 CZ2 TRP E 202	65.720 -33.405 -28.483	1.00 52.12	E
	ATOM 15964 NH2 ARG E 192	79.006 -42.777 -58.118	1.00 51.52	E	ATOM 16049 CZ3 TRP E 202	64.058 -31.748 -29.091	1.00 52.12	E
	ATOM 15965 C ARG E 192	73.866 -38.558 -53.841	1.00 61.52	E	ATOM 16050 CH2 TRP E 202	65.396 -32.132 -28.860	1.00 52.12	E
	ATOM 15966 O ARG E 192	73.965 -37.451 -54.358	1.00 61.52	E	ATOM 16051 C TRP E 202	60.561 -34.332 -30.603	1.00 54.92	E
	ATOM 15967 N HIS E 193	73.202 -38.765 -52.712	1.00 43.86	E	ATOM 16052 O TRP E 202	59.940 -33.311 -30.292	1.00 54.92	E
	ATOM 15968 CA HIS E 193	72.601 -37.665 -51.958	1.00 43.86	E	ATOM 16053 N PHE E 203	61.325 -34.416 -31.686	1.00 49.16	E
	ATOM 15969 CB HIS E 193	71.237 -37.273 -52.539	1.00 64.12	E	ATOM 16054 CA PHE E 203	61.523 -33.272 -32.562	1.00 49.16	E
	ATOM 15970 CG HIS E 193	70.138 -38.254 -52.270	1.00 64.12	E	ATOM 16055 CB PHE E 203	63.006 -33.187 -32.944	1.00 57.04	E
20	ATOM 15971 CD2 HIS E 193	70.036 -39.272 -51.383	1.00 64.12	E	ATOM 16056 CG PHE E 203	63.374 -31.935 -33.687	1.00 57.04	E
	ATOM 15972 ND1 HIS E 193	68.946 -38.227 -52.954	1.00 64.12	E	ATOM 16057 CD1 PHE E 203	63.367 -30.701 -33.044	1.00 57.04	E
	ATOM 15973 CE1 HIS E 193	68.158 -39.186 -52.505	1.00 64.12	E	ATOM 16058 CD2 PHE E 203	63.741 -31.988 -35.030	1.00 57.04	E
	ATOM 15974 NE2 HIS E 193	68.796 -39.836 -51.551	1.00 64.12	E	ATOM 16059 CE1 PHE E 203	63.722 -29.539 -33.725	1.00 57.04	E
	ATOM 15975 C HIS E 193	72.494 -38.116 -50.501	1.00 43.86	E	ATOM 16060 CE2 PHE E 203	64.097 -30.826 -35.720	1.00 57.04	E
	ATOM 15976 O HIS E 193	72.720 -39.294 -50.204	1.00 43.86	E	ATOM 16061 CZ PHE E 203	64.090 -29.603 -35.068	1.00 57.04	E
	ATOM 15977 N GLY E 194	72.152 -37.210 -49.591	1.00 49.75	E	ATOM 16062 C PHE E 203	60.676 -33.309 -33.824	1.00 49.16	E
	ATOM 15978 CA GLY E 194	72.073 -37.589 -48.186	1.00 49.75	E	ATOM 16063 O PHE E 203	60.959 -34.088 -34.735	1.00 49.16	E
	ATOM 15979 C GLY E 194	70.812 -38.321 -47.762	1.00 49.75	E	ATOM 16064 N ASN E 204	59.637 -32.476 -33.873	1.00 50.70	E
	ATOM 15980 O GLY E 194	69.803 -38.277 -48.457	1.00 49.75	E	ATOM 16065 CA ASN E 204	58.791 -32.387 -33.062	1.00 50.70	E
25	ATOM 15981 N ASN E 195	70.871 -39.011 -46.627	1.00 48.97	E	ATOM 16066 CB ASN E 204	57.332 -32.057 -34.695	1.00 88.93	E
	ATOM 15982 CA ASN E 195	69.716 -39.734 -46.093	1.00 48.97	E	ATOM 16067 CG ASN E 204	56.483 -31.691 -35.916	1.00 88.93	E
	ATOM 15983 CB ASN E 195	69.824 -41.253 -46.308	1.00 56.87	E	ATOM 16068 OD1 ASN E 204	56.713 -30.660 -36.541	1.00 88.93	E
	ATOM 15984 CG ASN E 195	69.690 -41.661 -47.756	1.00 56.87	E	ATOM 16069 ND2 ASN E 204	55.540 -32.552 -36.286	1.00 88.93	E
	ATOM 15985 OD1 ASN E 195	68.804 -41.193 -48.471	1.00 56.87	E	ATOM 16070 C ASN E 204	59.416 -31.251 -35.862	1.00 50.70	E
	ATOM 15986 ND2 ASN E 195	70.564 -42.560 -48.194	1.00 56.87	E	ATOM 16071 O ASN E 204	59.203 -30.080 -35.556	1.00 50.70	E
	ATOM 15987 C ASN E 195	69.661 -39.489 -44.595	1.00 48.97	E	ATOM 16072 N ILE E 205	60.205 -31.591 -36.875	1.00 53.96	E
	ATOM 15988 O ASN E 195	70.700 -39.439 -43.923	1.00 48.97	E	ATOM 16073 CA ILE E 205	60.879 -30.576 -37.678	1.00 53.96	E
	ATOM 15989 N VAL E 196	68.457 -39.333 -44.063	1.00 41.21	E	ATOM 16074 CB ILE E 205	61.740 -31.230 -38.785	1.00 43.86	E
	ATOM 15990 CA VAL E 196	68.325 -39.137 -42.634	1.00 41.21	E	ATOM 16075 CG2 ILE E 205	60.869 -31.583 -39.975	1.00 43.86	E
	ATOM 15991 CB VAL E 196	66.991 -38.497 -42.254	1.00 35.00	E	ATOM 16076 CG1 ILE E 205	62.850 -30.262 -39.212	1.00 43.86	E
	ATOM 15992 CG1 VAL E 196	66.896 -38.402 -40.742	1.00 35.00	E	ATOM 16077 CD1 ILE E 205	64.011 -30.933 -39.900	1.00 43.86	E
	ATOM 15993 CG2 VAL E 196	66.872 -37.114 -42.883	1.00 35.00	E	ATOM 16078 C ILE E 205	59.947 -29.534 -38.311	1.00 53.96	E
30	ATOM 15994 C VAL E 196	68.380 -40.515 -42.001	1.00 41.21	E	ATOM 16079 O ILE E 205	60.395 -28.471 -38.743	1.00 53.96	E
	ATOM 15995 O VAL E 196	67.530 -41.357 -42.276	1.00 41.21	E	ATOM 16080 N SER E 206	58.656 -29.835 -38.367	1.00 60.50	E
	ATOM 15996 N ASN E 197	69.385 -40.754 -41.163	1.00 60.34	E	ATOM 16081 CA SER E 206	57.700 -28.895 -38.938	1.00 60.50	E
	ATOM 15997 CA ASN E 197	69.535 -42.050 -40.518	1.00 60.34	E	ATOM 16082 CB SER E 206	56.389 -29.598 -39.277	1.00 68.77	E
	ATOM 15998 CB ASN E 197	71.009 -42.392 -40.308	1.00 66.72	E	ATOM 16083 OG SER E 206	56.593 -30.546 -40.305	1.00 68.77	E
	ATOM 15999 CG ASN E 197	71.839 -42.180 -41.548	1.00 66.72	E	ATOM 16084 C SER E 206	57.429 -27.763 -37.965	1.00 60.50	E
	ATOM 16000 OD1 ASN E 197	71.467 -42.607 -42.643	1.00 66.72	E	ATOM 16085 O SER E 206	56.983 -26.688 -38.356	1.00 60.50	E
	ATOM 16001 ND2 ASN E 197	72.985 -41.518 -41.383	1.00 66.72	E	ATOM 16086 N ARG E 207	57.697 -28.014 -36.692	1.00 61.48	E
	ATOM 16002 C ASN E 197	68.854 -42.042 -39.171	1.00 60.34	E	ATOM 16087 CA ARG E 207	57.488 -27.006 -35.678	1.00 61.48	E
	ATOM 16003 O ASN E 197	68.350 -43.059 -38.715	1.00 60.34	E	ATOM 16088 CB ARG E 207	57.030 -27.657 -34.375	1.00 86.75	E
	ATOM 16004 N PHE E 198	68.835 -40.885 -38.531	1.00 48.25	E	ATOM 16089 CG ARG E 207	55.592 -28.133 -34.411	1.00 86.75	E
35	ATOM 16005 CA PHE E 198	68.236 -40.785 -37.221	1.00 48.25	E	ATOM 16090 CD ARG E 207	54.950 -28.043 -33.040	1.00 86.75	E
	ATOM 16006 CB PHE E 198	69.324 -40.867 -36.162	1.00 40.87	E	ATOM 16091 NE ARG E 207	55.370 -29.122 -32.156	1.00 86.75	E
	ATOM 16007 CG PHE E 198	68.803 -40.790 -34.760	1.00 40.87	E	ATOM 16092 CZ ARG E 207	55.382 -29.032 -30.827	1.00 86.75	E
	ATOM 16008 CD1 PHE E 198	68.473 -41.953 -34.065	1.00 40.87	E	ATOM 16093 NH1 ARG E 207	55.001 -27.903 -30.233	1.00 86.75	E
	ATOM 16009 CD2 PHE E 198	68.602 -39.551 -34.140	1.00 40.87	E				
	ATOM 16010 CE1 PHE E 198	67.954 -41.892 -32.787	1.00 40.87	E				
	ATOM 16011 CE2 PHE E 198	68.080 -39.481 -32.858	1.00 40.87	E				
	ATOM 16012 CZ PHE E 198	67.757 -40.653 -32.183	1.00 40.87	E				
	ATOM 16013 C PHE E 198	67.467 -39.495 -37.030	1.00 48.25	E				

65251/C766

1	ATOM 16094 NH2 ARG E 207	55.762 -30.073 -30.090	1.00 86.75	E	ATOM 16179 CD2 PHE E 218	74.030 -34.624 -47.100	1.00 39.68	E
	ATOM 16095 C ARG E 207	58.750 -26.183 -35.436	1.00 61.48	E	ATOM 16180 CE1 PHE E 218	75.656 -34.679 -44.858	1.00 39.68	E
	ATOM 16096 O ARG E 207	58.815 -25.420 -34.472	1.00 61.48	E	ATOM 16181 CE2 PHE E 218	75.079 -35.516 -47.033	1.00 39.68	E
	ATOM 16097 N SER E 208	59.750 -26.336 -36.305	1.00 52.12	E	ATOM 16182 CZ PHE E 218	75.898 -35.544 -45.904	1.00 39.68	E
	ATOM 16098 CA SER E 208	60.993 -25.586 -36.164	1.00 52.12	E	ATOM 16183 C PHE E 218	73.877 -31.565 -48.015	1.00 33.21	E
5	ATOM 16099 CB SER E 208	62.137 -26.494 -35.748	1.00 56.56	E	ATOM 16184 O PHE E 218	75.106 -31.505 -48.115	1.00 33.21	E
	ATOM 16100 OG SER E 208	63.296 -25.715 -35.518	1.00 56.56	E	ATOM 16185 N ASN E 219	73.090 -31.817 -49.053	1.00 44.37	E
	ATOM 16101 C SER E 208	61.351 -24.897 -37.463	1.00 52.12	E	ATOM 16186 CA ASN E 219	73.683 -32.030 -50.365	1.00 44.37	E
	ATOM 16102 O SER E 208	62.317 -25.264 -38.135	1.00 52.12	E	ATOM 16187 CB ASN E 219	72.604 -32.234 -51.422	1.00 63.10	E
	ATOM 16103 N PRO E 209	60.571 -23.874 -37.826	1.00 51.81	E	ATOM 16188 CG ASN E 219	71.683 -33.393 -51.095	1.00 54.73	E
10	ATOM 16104 CD PRO E 209	59.508 -23.354 -36.951	1.00 50.90	E	ATOM 16189 OD1 ASN E 219	72.111 -34.413 -50.552	1.00 54.73	E
	ATOM 16105 CA PRO E 209	60.694 -23.044 -39.029	1.00 51.81	E	ATOM 16190 ND2 ASN E 219	70.410 -33.246 -51.437	1.00 54.73	E
	ATOM 16106 CB PRO E 209	59.801 -21.848 -38.712	1.00 50.90	E	ATOM 16191 C ASN E 219	74.562 -30.852 -50.735	1.00 44.37	E
	ATOM 16107 CG PRO E 209	58.739 -22.455 -37.882	1.00 50.90	E	ATOM 16192 O ASN E 219	75.667 -31.022 -51.247	1.00 44.37	E
	ATOM 16108 C PRO E 209	62.108 -22.592 -39.349	1.00 51.81	E	ATOM 16193 N PHE E 220	74.082 -29.648 -50.459	1.00 44.87	E
15	ATOM 16109 O PRO E 209	62.448 -22.391 -40.515	1.00 51.81	E	ATOM 16194 CA PHE E 220	74.863 -28.456 -50.766	1.00 44.87	E
	ATOM 16110 N HIS E 210	62.927 -22.434 -38.311	1.00 52.94	E	ATOM 16195 CB PHE E 220	74.114 -27.198 -50.337	1.00 34.05	E
	ATOM 16111 CA HIS E 210	64.279 -21.950 -38.504	1.00 52.94	E	ATOM 16196 CG PHE E 220	74.963 -25.958 -50.346	1.00 27.03	E
	ATOM 16112 CB HIS E 210	64.585 -20.915 -37.437	1.00 56.19	E	ATOM 16197 CD1 PHE E 220	75.170 -25.243 -51.514	1.00 27.03	E
	ATOM 16113 CG HIS E 210	63.699 -19.717 -37.524	1.00 56.19	E	ATOM 16198 CD2 PHE E 220	75.615 -25.539 -49.176	1.00 27.03	E
20	ATOM 16114 CD2 HIS E 210	62.665 -19.318 -36.750	1.00 56.19	E	ATOM 16199 CE1 PHE E 220	76.025 -24.120 -51.528	1.00 27.03	E
	ATOM 16115 ND1 HIS E 210	63.792 -18.798 -38.546	1.00 56.19	E	ATOM 16200 CE2 PHE E 220	76.466 -24.433 -49.175	1.00 27.03	E
	ATOM 16116 CE1 HIS E 210	62.855 -17.880 -38.397	1.00 56.19	E	ATOM 16201 CZ PHE E 220	76.672 -23.720 -50.361	1.00 27.03	E
	ATOM 16117 NE2 HIS E 210	62.156 -18.173 -37.314	1.00 56.19	E	ATOM 16202 C PHE E 220	76.214 -28.486 -50.066	1.00 44.87	E
	ATOM 16118 C HIS E 210	65.376 -22.990 -38.604	1.00 52.94	E	ATOM 16203 O PHE E 220	77.253 -28.368 -50.701	1.00 44.87	E
25	ATOM 16119 O HIS E 210	66.565 -22.653 -38.628	1.00 52.94	E	ATOM 16204 N TRP E 221	76.194 -28.636 -48.748	1.00 46.82	E
	ATOM 16120 N THR E 211	64.975 -24.254 -38.662	1.00 58.28	E	ATOM 16205 CA TRP E 221	77.428 -28.651 -47.976	1.00 46.82	E
	ATOM 16121 CA THR E 211	65.944 -25.319 -38.847	1.00 58.28	E	ATOM 16206 CB TRP E 221	77.111 -28.627 -46.475	1.00 41.92	E
	ATOM 16122 CB THR E 211	65.440 -26.665 -38.297	1.00 50.98	E	ATOM 16207 CG TRP E 221	76.621 -27.300 -46.005	1.00 35.07	E
	ATOM 16123 OG1 THR E 211	65.250 -26.563 -36.882	1.00 50.98	E	ATOM 16208 CD2 TRP E 221	77.335 -26.060 -46.056	1.00 35.07	E
30	ATOM 16124 CG2 THR E 211	66.454 -27.764 -38.578	1.00 50.98	E	ATOM 16209 CE2 TRP E 221	76.467 -25.057 -45.573	1.00 35.07	E
	ATOM 16125 C THR E 211	66.024 -25.376 -40.371	1.00 58.28	E	ATOM 16210 CE3 TRP E 221	78.623 -25.698 -46.469	1.00 35.07	E
	ATOM 16126 O THR E 211	65.000 -25.481 -41.043	1.00 58.28	E	ATOM 16211 CD1 TRP E 221	75.384 -27.010 -45.501	1.00 35.07	E
	ATOM 16127 N PRO E 212	67.236 -25.279 -40.935	1.00 48.74	E	ATOM 16212 NE1 TRP E 221	75.284 -25.664 -45.240	1.00 35.07	E
	ATOM 16128 CD PRO E 212	68.522 -25.252 -40.210	1.00 42.83	E	ATOM 16213 CZ2 TRP E 221	76.847 -23.709 -45.489	1.00 35.07	E
35	ATOM 16129 CA PRO E 212	67.445 -25.312 -42.388	1.00 48.74	E	ATOM 16214 CZ3 TRP E 221	79.002 -24.352 -46.385	1.00 35.07	E
	ATOM 16130 CB PRO E 212	68.957 -25.484 -42.505	1.00 42.83	E	ATOM 16215 CH2 TRP E 221	78.115 -23.377 -45.899	1.00 35.07	E
	ATOM 16131 CG PRO E 212	69.474 -24.776 -41.268	1.00 42.83	E	ATOM 16216 C TRP E 221	78.344 -29.825 -48.300	1.00 46.82	E
	ATOM 16132 C PRO E 212	66.677 -26.412 -43.144	1.00 48.74	E	ATOM 16217 O TRP E 221	79.549 -29.642 -48.502	1.00 46.82	E
	ATOM 16133 O PRO E 212	66.559 -27.540 -42.663	1.00 48.74	E	ATOM 16218 N TYR E 222	77.787 -31.030 -48.345	1.00 47.06	E
40	ATOM 16134 N GLY E 213	66.171 -26.072 -44.330	1.00 56.48	E	ATOM 16219 CA TYR E 222	78.597 -32.196 -48.649	1.00 47.06	E
	ATOM 16135 CA GLY E 213	65.436 -27.021 -45.150	1.00 56.48	E	ATOM 16220 CB TYR E 222	77.723 -33.413 -48.914	1.00 46.64	E
	ATOM 16136 C GLY E 213	66.353 -27.877 -46.009	1.00 56.48	E	ATOM 16221 CG TYR E 222	78.529 -34.565 -49.448	1.00 45.21	E
	ATOM 16137 O GLY E 213	67.572 -27.705 -45.977	1.00 56.48	E	ATOM 16222 CD1 TYR E 222	79.325 -35.359 -48.604	1.00 45.21	E
	ATOM 16138 N ASN E 214	65.775 -28.795 -46.781	1.00 87.55	E	ATOM 16223 CE1 TYR E 222	80.125 -36.347 -49.109	1.00 45.21	E
45	ATOM 16139 CA ASN E 214	66.551 -29.699 -47.630	1.00 87.55	E	ATOM 16224 CD2 TYR E 222	78.556 -34.835 -50.808	1.00 45.21	E
	ATOM 16140 CB ASN E 214	67.387 -28.940 -48.654	1.00 81.88	E	ATOM 16225 CE2 TYR E 222	79.353 -35.837 -51.323	1.00 45.21	E
	ATOM 16141 CG ASN E 214	66.665 -27.765 -49.236	1.00 76.05	E	ATOM 16226 CZ TYR E 222	80.133 -36.589 -50.478	1.00 45.21	E
	ATOM 16142 OD1 ASN E 214	65.451 -27.641 -49.107	1.00 76.05	E	ATOM 16227 OH TYR E 222	80.928 -37.570 -51.024	1.00 45.21	E
	ATOM 16143 ND2 ASN E 214	67.409 -26.888 -49.893	1.00 76.05	E	ATOM 16228 C TYR E 222	79.428 -31.924 -49.889	1.00 47.06	E
50	ATOM 16144 C ASN E 214	67.501 -30.484 -46.752	1.00 87.55	E	ATOM 16229 O TYR E 222	80.651 -32.052 -49.889	1.00 47.06	E
	ATOM 16145 O ASN E 214	68.699 -30.557 -47.034	1.00 87.55	E	ATOM 16230 N SER E 223	78.744 -31.538 -50.950	1.00 44.85	E
	ATOM 16146 N ASP E 215	66.967 -31.068 -45.687	1.00 65.76	E	ATOM 16231 CA SER E 223	79.392 -31.249 -52.211	1.00 44.85	E
	ATOM 16147 CA ASP E 215	67.783 -31.834 -44.765	1.00 65.76	E	ATOM 16232 CB SER E 223	78.335 -30.893 -53.239	1.00 38.53	E
	ATOM 16148 CB ASP E 215	68.142 -33.190 -45.366	1.00183.20	E	ATOM 16233 OG SER E 223	78.963 -30.479 -54.424	1.00 37.15	E
55	ATOM 16149 CG ASP E 215	66.921 -33.988 -45.747	1.00104.58	E	ATOM 16234 C SER E 223	80.446 -30.140 -52.164	1.00 44.85	E
	ATOM 16150 OD1 ASP E 215	66.058 -34.207 -44.870	1.00104.58	E	ATOM 16235 O SER E 223	81.558 -30.306 -52.659	1.00 44.85	E
	ATOM 16151 OD2 ASP E 215	66.822 -34.390 -46.925	1.00104.58	E	ATOM 16236 N LEU E 224	80.093 -29.005 -51.571	1.00 43.65	E
	ATOM 16152 C ASP E 215	69.038 -31.043 -44.467	1.00 65.76	E	ATOM 16237 CA LEU E 224	81.010 -27.887 -51.483	1.00 43.65	E
	ATOM 16153 O ASP E 215	70.145 -31.459 -44.819	1.00 65.76	E	ATOM 16238 CB LEU E 224	80.277 -26.640 -51.011	1.00 66.90	E
60	ATOM 16154 N TYR E 216	68.839 -29.880 -43.851	1.00 40.40	E	ATOM 16239 CG LEU E 224	81.171 -25.404 -50.895	1.00 44.14	E
	ATOM 16155 CA TYR E 216	69.932 -28.989 -43.448	1.00 40.40	E	ATOM 16240 CD1 LEU E 224	81.892 -25.148 -52.212	1.00 44.14	E
	ATOM 16156 CB TYR E 216	70.726 -29.626 -42.305	1.00 64.68	E	ATOM 16241 CD2 LEU E 224	80.325 -24.208 -50.496	1.00 44.14	E
	ATOM 16157 CG TYR E 216	69.875 -30.086 -41.154	1.00 43.43	E	ATOM 16242 C LEU E 224	82.171 -28.184 -50.556	1.00 43.65	E
	ATOM 16158 ND1 TYR E 216	68.997 -31.166 -41.288	1.00 43.43	E	ATOM 16243 O LEU E 224	83.273 -27.682 -50.758	1.00 43.65	E
65	ATOM 16159 CE1 TYR E 216	68.203 -31.597 -40.216	1.00 43.43	E	ATOM 16244 N MET E 225	81.929 -28.994 -49.532	1.00 38.46	E
	ATOM 16160 CD2 TYR E 216	69.944 -29.441 -39.921	1.00 43.43	E	ATOM 16245 CA MET E 225	82.995 -29.346 -48.613	1.00 38.46	E
	ATOM 16161 CE2 TYR E 216	69.159 -29.851 -38.836	1.00 43.43	E	ATOM 16246 CB MET E 225	82.422 -29.925 -47.334	1.00 85.20	E
	ATOM 16162 CZ TYR E 216	68.292 -30.931 -38.991	1.00 43.43	E	ATOM 16247 CG MET E 225	81.684 -28.898 -46.546	1.00 53.92	E
	ATOM 16163 OH TYR E 216	67.529 -31.335 -37.920	1.00 43.43	E	ATOM 16248 SD MET E 225	81.197 -29.470 -44.934	1.00 53.92	E
70	ATOM 16164 C TYR E 216	70.895 -28.627 -44.571	1.00 40.40	E	ATOM 16249 CE MET E 225	82.827 -29.775 -44.182	1.00 53.92	E
	ATOM 16165 O TYR E 216	72.094 -28.469 -44.337	1.00 40.40	E	ATOM 16250 C MET E 225	83.901 -30.361 -49.283	1.00 38.46	E
	ATOM 16166 N ASN E 217	70.376 -28.484 -45.781	1.00 36.13	E	ATOM 16251 O MET E 225	85.112 -30.349 -49.093	1.00 38.46	E
	ATOM 16167 CA ASN E 217	71.219 -28.152 -46.927	1.00 36.13	E	ATOM 16252 N LYS E 226	83.308 -31.244 -50.070	1.00 54.56	E
	ATOM 16168 CB ASN E 217	71.746 -26.720 -46.801	1.00 44.37	E	ATOM 16253 CA LYS E 226	84.085 -32.243 -50.772	1.00 54.56	E
75	ATOM 16169 CG ASN E 217	70.627 -25.683 -46.783	1.00 39.10	E	ATOM 16254 CB LYS E 226	83.172 -33.125 -51.609	1.00104.67	E
	ATOM 16170 OD1 ASN E 217	70.529 -24.883 -45.852	1.00 39.10	E	ATOM 16255 CG LYS E 226	83.897 -34.174 -52.392	1.00 56.13	E
	ATOM 16171 ND2 ASN E 217	69.777 -25.694 -47.822	1.00 39.10	E	ATOM 16256 CD LYS E 226	82.949 -34.907 -53.303	1.00 56.13	E
	ATOM 16172 C ASN E 217	72.399 -29.118 -47.022	1.00 36.13	E	ATOM 16257 CE LYS E 226	83.704 -35.801 -54.263	1.00 56.13	E
	ATOM 16173 O ASN E 217	73.498 -28.723 -47.435	1.00 36.13	E	ATOM 16258 NZ LYS E 226	82.787 -36.4		

65251/C766

1	ATOM 16264 CG GLU E 227	85.271 -27.770 -54.959	1.00 98.44	E	ATOM 16349 O SER E 237	100.494 -28.783 -44.768	1.00 99.72	E
	ATOM 16265 CD GLU E 227	84.551 -26.494 -55.350	1.00 98.44	E	ATOM 16350 N THR E 238	99.230 -29.428 -46.517	1.00112.32	E
	ATOM 16266 OE1 GLU E 227	83.352 -26.565 -55.708	1.00 98.44	E	ATOM 16351 CA THR E 238	97.958 -29.185 -45.840	1.00112.32	E
	ATOM 16267 OE2 GLU E 227	85.190 -25.420 -55.302	1.00 98.44	E	ATOM 16352 CB THR E 238	97.129 -28.120 -46.566	1.00106.98	E
	ATOM 16268 C GLU E 227	86.507 -28.999 -52.482	1.00 54.53	E	ATOM 16353 OG1 THR E 238	97.969 -27.016 -46.913	1.00106.98	E
	ATOM 16269 O GLU E 227	87.669 -29.031 -52.891	1.00 54.53	E				
	ATOM 16270 N THR E 228	86.162 -28.408 -51.345	1.00 48.89	E	ATOM 16354 CG2 THR E 238	96.005 -27.627 -45.666	1.00106.98	E
	ATOM 16271 CA THR E 228	87.138 -27.729 -50.507	1.00 48.89	E				
	ATOM 16272 CB THR E 228	86.460 -27.071 -49.294	1.00 59.69	E	ATOM 16355 C THR E 238	97.132 -30.465 -45.798	1.00112.32	E
5	ATOM 16273 OG1 THR E 228	85.477 -26.132 -49.747	1.00 45.68	E	ATOM 16356 O THR E 238	96.266 -30.625 -44.937	1.00112.32	E
	ATOM 16274 CG2 THR E 228	87.494 -26.358 -48.432	1.00 45.68	E	ATOM 16357 N LYS E 239	97.410 -31.364 -46.741	1.00 94.22	E
	ATOM 16275 C THR E 228	88.219 -28.664 -49.992	1.00 48.89	E	ATOM 16358 CA LYS E 239	96.719 -32.647 -46.857	1.00 94.22	E
	ATOM 16276 O THR E 228	89.388 -28.292 -49.914	1.00 48.89	E	ATOM 16359 CB LYS E 239	97.692 -33.723 -47.357	1.00 99.38	E
	ATOM 16277 N LEU E 229	87.827 -29.875 -49.622	1.00 61.14	E	ATOM 16360 CG LYS E 239	97.058 -35.089 -47.575	1.00 99.38	E
	ATOM 16278 CA LEU E 229	88.789 -30.833 -49.111	1.00 61.14	E	ATOM 16361 CD LYS E 239	98.000 -36.018 -48.314	1.00 99.38	E
	ATOM 16279 CB LEU E 229	88.066 -32.063 -48.572	1.00 59.43	E	ATOM 16362 CE LYS E 239	98.324 -35.475 -49.699	1.00 99.38	E
	ATOM 16280 CG LEU E 229	88.954 -33.142 -47.971	1.00 31.31	E	ATOM 16363 NZ LYS E 239	99.242 -36.379 -50.442	1.00 99.38	E
	ATOM 16281 CD1 LEU E 229	90.032 -32.529 -47.068	1.00 31.31	E	ATOM 16364 C LYS E 239	96.089 -33.082 -45.539	1.00 94.22	E
	ATOM 16282 CD2 LEU E 229	88.073 -34.106 -47.187	1.00 31.31	E	ATOM 16365 O LYS E 239	96.774 -33.207 -44.524	1.00 94.22	E
10	ATOM 16283 C LEU E 229	89.777 -31.222 -50.205	1.00 61.14	E	ATOM 16366 N THR E 240	94.779 -33.305 -45.566	1.00 56.81	E
	ATOM 16284 O LEU E 229	90.974 -31.332 -49.943	1.00 61.14	E	ATOM 16367 CA THR E 240	94.048 -33.707 -44.376	1.00 56.81	E
	ATOM 16285 N GLU E 230	89.279 -31.412 -51.429	1.00 71.28	E	ATOM 16368 CB THR E 240	93.217 -32.540 -43.813	1.00104.13	E
	ATOM 16286 CA GLU E 230	90.136 -31.771 -52.554	1.00 71.28	E	ATOM 16369 OG1 THR E 240	94.061 -31.400 -43.622	1.00104.13	E
	ATOM 16287 CB GLU E 230	89.297 -32.006 -53.804	1.00146.60	E				
	ATOM 16288 CG GLU E 230	88.465 -33.266 -53.730	1.00111.06	E	ATOM 16370 CG2 THR E 240	92.592 -32.930 -42.480	1.00104.13	E
	ATOM 16289 CD GLU E 230	87.682 -33.524 -55.001	1.00111.06	E				
	ATOM 16290 OE1 GLU E 230	88.299 -33.509 -56.086	1.00111.06	E	ATOM 16371 C THR E 240	93.094 -34.861 -44.644	1.00 56.81	E
	ATOM 16291 OE2 GLU E 230	86.454 -33.751 -54.919	1.00111.06	E	ATOM 16372 O THR E 240	92.623 -35.048 -45.762	1.00 56.81	E
	ATOM 16292 C GLU E 230	91.185 -30.692 -52.819	1.00 71.28	E	ATOM 16373 N THR E 241	92.813 -35.619 -43.591	1.00 49.74	E
	ATOM 16293 O GLU E 230	92.367 -30.994 -52.980	1.00 71.28	E	ATOM 16374 CA THR E 241	91.901 -36.758 -43.639	1.00 49.74	E
	ATOM 16294 N GLU E 231	90.752 -29.434 -52.854	1.00 59.94	E	ATOM 16375 CB THR E 241	91.934 -35.475 -42.312	1.00106.61	E
	ATOM 16295 CA GLU E 231	91.661 -28.308 -53.071	1.00 59.94	E	ATOM 16376 OG1 THR E 241	93.291 -37.765 -41.951	1.00 66.31	E
15	ATOM 16296 CB GLU E 231	90.882 -26.994 -53.096	1.00129.36	E	ATOM 16377 CG2 THR E 241	91.178 -38.806 -42.411	1.00 66.31	E
	ATOM 16297 CG GLU E 231	89.759 -26.957 -54.113	1.00105.60	E	ATOM 16378 C THR E 241	90.459 -36.282 -43.838	1.00 49.74	E
	ATOM 16298 CD GLU E 231	90.256 -26.993 -55.547	1.00105.60	E	ATOM 16379 O THR E 241	89.724 -36.841 -44.633	1.00 49.74	E
	ATOM 16299 OE1 GLU E 231	91.018 -27.917 -55.898	1.00105.60	E	ATOM 16380 N SER E 242	90.065 -35.244 -43.100	1.00 55.41	E
	ATOM 16300 OE2 GLU E 231	89.877 -26.096 -56.329	1.00105.60	E	ATOM 16381 CA SER E 242	88.705 -34.737 -43.161	1.00 55.41	E
	ATOM 16301 C GLU E 231	92.695 -28.256 -51.955	1.00 59.94	E	ATOM 16382 CB SER E 242	87.853 -35.443 -42.114	1.00 82.01	E
	ATOM 16302 O GLU E 231	93.882 -28.112 -52.210	1.00 59.94	E	ATOM 16383 OG SER E 242	88.340 -35.158 -40.818	1.00 54.53	E
	ATOM 16303 N ILE E 232	92.232 -28.375 -50.717	1.00 59.16	E	ATOM 16384 C SER E 242	88.568 -33.243 -42.955	1.00 55.41	E
	ATOM 16304 CA ILE E 232	93.118 -28.350 -49.562	1.00 59.16	E	ATOM 16385 O SER E 242	89.516 -32.557 -42.593	1.00 55.41	E
	ATOM 16305 CB ILE E 232	92.324 -28.562 -48.242	1.00 70.04	E	ATOM 16386 N LEU E 243	87.349 -32.766 -43.173	1.00 48.96	E
	ATOM 16306 CG2 ILE E 232	93.266 -28.893 -47.088	1.00 40.09	E	ATOM 16387 CA LEU E 243	87.009 -31.360 -43.037	1.00 48.96	E
20	ATOM 16307 CG1 ILE E 232	91.515 -27.308 -47.912	1.00 40.09	E	ATOM 16388 CB LEU E 243	86.916 -30.727 -44.428	1.00 60.50	E
	ATOM 16308 CD1 ILE E 232	90.705 -27.431 -46.626	1.00 40.09	E	ATOM 16389 CG LEU E 243	86.846 -29.208 -44.452	1.00 36.63	E
	ATOM 16309 C ILE E 232	94.205 -29.416 -49.652	1.00 59.16	E	ATOM 16390 CD1 LEU E 243	88.089 -28.631 -43.785	1.00 36.63	E
	ATOM 16310 O ILE E 232	95.328 -29.188 -49.205	1.00 59.16	E	ATOM 16391 CD2 LEU E 243	86.742 -28.730 -45.896	1.00 36.63	E
	ATOM 16311 N ASN E 233	93.881 -30.571 -50.232	1.00 89.53	E	ATOM 16392 C LEU E 243	85.667 -31.268 -42.306	1.00 48.96	E
	ATOM 16312 CA ASN E 233	94.853 -31.648 -50.336	1.00 89.53	E	ATOM 16393 O LEU E 243	84.775 -32.071 -42.540	1.00 48.96	E
	ATOM 16313 CB ASN E 233	94.147 -32.996 -50.433	1.00 84.55	E	ATOM 16394 N SER E 244	85.531 -30.301 -41.407	1.00 45.63	E
	ATOM 16314 CG ASN E 233	93.490 -33.398 -49.135	1.00 73.47	E	ATOM 16395 CA SER E 244	84.288 -30.142 -40.662	1.00 45.63	E
	ATOM 16315 OD1 ASN E 233	93.977 -33.076 -48.057	1.00 73.47	E	ATOM 16396 CB SER E 244	84.548 -30.633 -39.224	1.00 41.49	E
	ATOM 16316 ND1 ASN E 233	92.385 -34.124 -49.231	1.00 73.47	E	ATOM 16397 OG SER E 244	84.665 -32.028 -39.164	1.00 43.64	E
	ATOM 16317 C ASN E 233	95.869 -31.528 -51.467	1.00 89.53	E	ATOM 16398 C SER E 244	83.774 -28.709 -40.611	1.00 45.63	E
25	ATOM 16318 O ASN E 233	96.842 -32.287 -51.497	1.00 89.53	E	ATOM 16399 O SER E 244	84.549 -27.754 -40.503	1.00 45.63	E
	ATOM 16319 N LYS E 234	95.662 -30.592 -52.392	1.00 84.06	E	ATOM 16400 N LEU E 245	82.457 -28.566 -40.701	1.00 42.55	E
	ATOM 16320 CA LYS E 234	96.616 -30.423 -53.489	1.00 84.06	E	ATOM 16401 CA LEU E 245	81.826 -27.264 -40.606	1.00 42.55	E
	ATOM 16321 CB LYS E 234	96.060 -29.478 -54.546	1.00 71.46	E	ATOM 16402 CB LEU E 245	80.849 -27.047 -41.755	1.00 51.49	E
	ATOM 16322 CG LYS E 234	94.967 -30.129 -55.353	1.00 71.46	E	ATOM 16403 CG LEU E 245	80.076 -25.732 -41.636	1.00 35.48	E
	ATOM 16323 CD LYS E 234	94.428 -29.238 -56.443	1.00 71.46	E	ATOM 16404 CD1 LEU E 245	81.059 -24.574 -41.534	1.00 35.48	E
	ATOM 16324 CE LYS E 234	93.371 -29.981 -57.255	1.00 71.46	E	ATOM 16405 CD2 LEU E 245	79.145 -25.568 -42.826	1.00 35.48	E
	ATOM 16325 NZ LYS E 234	92.676 -29.093 -58.238	1.00 71.46	E	ATOM 16406 C LEU E 245	81.080 -27.263 -39.269	1.00 42.55	E
	ATOM 16326 C LYS E 234	97.977 -29.943 -52.982	1.00 84.06	E	ATOM 16407 O LEU E 245	80.076 -27.945 -39.109	1.00 42.55	E
	ATOM 16327 O LYS E 234	99.010 -30.453 -53.415	1.00 84.06	E	ATOM 16408 N ILE E 246	81.596 -26.521 -38.298	1.00 46.13	E
	ATOM 16328 N ASN E 235	97.987 -28.961 -52.082	1.00 87.19	E	ATOM 16409 CA ILE E 246	80.967 -26.447 -36.988	1.00 46.13	E
30	ATOM 16329 CA ASN E 235	99.249 -28.509 -51.502	1.00 87.19	E	ATOM 16410 CB ILE E 246	82.014 -26.534 -35.868	1.00 45.68	E
	ATOM 16330 CB ASN E 235	99.107 -27.148 -50.800	1.00124.63	E	ATOM 16411 CG2 ILE E 246	81.325 -26.541 -34.519	1.00 28.72	E
	ATOM 16331 CG ASN E 235	100.382 -26.738 -50.064	1.00124.63	E	ATOM 16412 CG1 ILE E 246	82.862 -27.789 -36.054	1.00 28.72	E
	ATOM 16332 OD1 ASN E 235	100.988 -27.563 -49.382	1.00124.63	E	ATOM 16413 CD1 ILE E 246	82.052 -29.061 -36.131	1.00 28.72	E
	ATOM 16333 ND2 ASN E 235	100.800 -25.479 -50.190	1.00124.63	E	ATOM 16414 C ILE E 246	80.227 -25.130 -36.841	1.00 46.13	E
	ATOM 16334 C ASN E 235	99.516 -29.604 -50.471	1.00 87.19	E	ATOM 16415 O ILE E 246	80.827 -24.060 -36.915	1.00 46.13	E
	ATOM 16335 O ASN E 235	98.824 -29.692 -49.456	1.00 87.19	E	ATOM 16416 N THR E 247	78.923 -25.200 -36.637	1.00 28.55	E
	ATOM 16336 N ASP E 236	100.512 -30.441 -50.740	1.00100.54	E	ATOM 16417 CA THR E 247	78.147 -23.984 -36.478	1.00 28.55	E
	ATOM 16337 CA ASP E 236	100.839 -31.559 -49.862	1.00100.54	E	ATOM 16418 CB THR E 247	77.552 -23.545 -37.825	1.00 47.01	E
	ATOM 16338 CB ASP E 236	101.960 -32.388 -50.490	1.00140.73	E	ATOM 16419 OG1 THR E 247	77.005 -22.230 -37.696	1.00 44.25	E
	ATOM 16339 CG ASP E 236	101.948 -33.827 -50.022	1.00140.73	E	ATOM 16420 CG2 THR E 247	76.457 -24.514 -38.272	1.00 44.25	E
35	ATOM 16340 OD1 ASP E 236	102.273 -34.078 -48.843	1.00140.73	E	ATOM 16421 C THR E 247	77.037 -24.247 -35.465	1.00 28.55	E
	ATOM 16341 OD2 ASP E 236	101.600 -34.707 -50.837	1.00140.73	E	ATOM 16422 O THR E 247	76.558 -25.375 -35.350	1.00 28.55	E
	ATOM 16342 C ASP E 236	101.200 -31.213 -48.414	1.00100.54	E	ATOM 16423 N GLY E 248	76.639 -23.216 -34.726	1.00 26.35	E
	ATOM 16343 O ASP E 236	101.361 -32.109 -47.585	1.00100.54	E	ATOM 16424 CA GLY E 248	75.602 -23.380 -33.722	1.00 26.35	E
	ATOM 16344 N SER E 237	101.319 -29.927 -48.102	1.00 99.72	E	ATOM 16425 C GLY E 248	75.552 -22.200 -32.789	1.00 26.35	E
	ATOM 16345 CA SER E 237	101.651 -29.521 -46.737	1.00 99.72	E	ATOM 16426 O GLY E 248	76.222 -21.202 -33.026	1.00 26.35	E
	ATOM 16346 CB SER E 237	102.562 -28.288 -46.739	1.00112.89	E	ATOM 16427 N CYS E 249	74.762 -22.300 -31.730	1.00 43.87	E
	ATOM 16347 OG SER E 237	101.832 -27.112 -47.039	1.00112.89	E	ATOM 16428 CA CYS E 249	74.645 -21.196 -30.790	1.00 43.87	E
	ATOM 16348 C SER E 237	100.399 -29.212 -45.918	1.00 99.72	E	ATOM 16429 CB CYS E 249	73.481 -20.276 -31.188	1.00 26.91	E

65251/C766

1	ATOM 16430 SG CYS E 249	71.858 -20.961 -30.886	1.00 45.68	E	ATOM 16515 CA GLY E 260	80.504 -20.937 -37.414	1.00 36.84	E
	ATOM 16431 C CYS E 249	74.443 -21.703 -29.372	1.00 43.87	E	ATOM 16516 C GLY E 260	81.936 -20.952 -37.881	1.00 36.84	E
	ATOM 16432 O CYS E 249	74.372 -22.916 -29.146	1.00 43.87	E	ATOM 16517 O GLY E 260	82.476 -19.926 -38.312	1.00 36.84	E
	ATOM 16433 N TYR E 250	74.347 -20.777 -28.417	1.00 37.52	E	ATOM 16518 N TYR E 261	82.578 -22.104 -37.774	1.00 45.24	E
	ATOM 16434 CA TYR E 250	74.173 -21.162 -27.025	1.00 37.52	E	ATOM 16519 CA TYR E 261	83.956 -22.205 -38.204	1.00 45.24	E
	ATOM 16435 CB TYR E 250	75.527 -21.526 -26.431	1.00 42.77	E	ATOM 16520 CB TYR E 261	84.883 -22.028 -37.019	1.00 54.32	E
	ATOM 16436 CG TYR E 250	76.497 -20.361 -26.436	1.00 33.12	E	ATOM 16521 CG TYR E 261	84.693 -23.056 -35.939	1.00 38.11	E
	ATOM 16437 CD1 TYR E 250	76.576 -19.483 -25.343	1.00 33.12	E	ATOM 16522 CD1 TYR E 261	85.396 -24.259 -35.959	1.00 38.11	E
	ATOM 16438 CE1 TYR E 250	77.423 -18.387 -25.369	1.00 33.12	E	ATOM 16523 CE1 TYR E 261	85.285 -25.173 -34.920	1.00 38.11	E
5	ATOM 16439 CD2 TYR E 250	77.296 -20.103 -27.554	1.00 33.12	E	ATOM 16524 CD2 TYR E 261	83.857 -22.798 -34.853	1.00 38.11	E
	ATOM 16440 CE2 TYR E 250	78.144 -19.000 -27.591	1.00 33.12	E	ATOM 16525 CE2 TYR E 261	83.733 -23.707 -33.807	1.00 38.11	E
	ATOM 16441 CZ TYR E 250	78.205 -18.148 -26.501	1.00 33.12	E	ATOM 16526 CZ TYR E 261	84.453 -24.894 -33.844	1.00 38.11	E
	ATOM 16442 OH TYR E 250	79.034 -17.052 -26.563	1.00 33.12	E	ATOM 16527 OH TYR E 261	84.331 -25.784 -32.796	1.00 38.11	E
	ATOM 16443 C TYR E 250	73.562 -20.064 -26.178	1.00 37.52	E	ATOM 16528 C TYR E 261	84.235 -23.525 -38.889	1.00 45.24	E
	ATOM 16444 O TYR E 250	73.663 -18.875 -26.501	1.00 37.52	E	ATOM 16529 O TYR E 261	83.454 -24.470 -38.803	1.00 45.24	E
	ATOM 16445 N GLU E 251	72.931 -20.496 -25.091	1.00 54.25	E	ATOM 16530 N VAL E 262	85.362 -23.577 -39.583	1.00 48.24	E
	ATOM 16446 CA GLU E 251	72.327 -19.625 -24.102	1.00 54.25	E	ATOM 16531 CA VAL E 262	85.782 -24.765 -40.305	1.00 48.24	E
	ATOM 16447 CB GLU E 251	70.809 -19.603 -24.235	1.00109.91	E	ATOM 16532 CB VAL E 262	86.069 -24.428 -41.778	1.00 42.18	E
	ATOM 16448 CG GLU E 251	70.291 -18.257 -24.673	1.00 63.53	E	ATOM 16533 CG1 VAL E 262	86.753 -25.600 -42.448	1.00 33.67	E
	ATOM 16449 CD GLU E 251	68.777 -18.161 -24.647	1.00 63.53	E	ATOM 16534 CG2 VAL E 262	84.775 -24.085 -42.497	1.00 33.67	E
10	ATOM 16450 OE1 GLU E 251	68.181 -18.420 -23.573	1.00 63.53	E	ATOM 16535 C VAL E 262	87.057 -25.314 -39.696	1.00 48.24	E
	ATOM 16451 OE2 GLU E 251	68.188 -17.814 -25.701	1.00 63.53	E	ATOM 16536 O VAL E 262	88.052 -24.607 -39.607	1.00 48.24	E
	ATOM 16452 C GLU E 251	72.743 -20.270 -22.781	1.00 54.25	E	ATOM 16537 N GLU E 263	87.031 -26.567 -39.264	1.00 55.06	E
	ATOM 16453 O GLU E 251	71.988 -21.035 -22.176	1.00 54.25	E	ATOM 16538 CA GLU E 263	88.224 -27.186 -38.701	1.00 55.06	E
	ATOM 16454 N THR E 252	73.976 -19.979 -22.369	1.00 49.09	E	ATOM 16539 CB GLU E 263	88.028 -27.591 -37.237	1.00 93.64	E
	ATOM 16455 CA THR E 252	74.558 -20.506 -21.137	1.00 49.09	E	ATOM 16540 CG GLU E 263	86.852 -28.480 -36.983	1.00 80.24	E
	ATOM 16456 CB THR E 252	76.063 -20.777 -21.324	1.00 51.56	E	ATOM 16541 CD GLU E 263	86.731 -28.867 -35.523	1.00 80.24	E
	ATOM 16457 OG1 THR E 252	76.262 -21.600 -22.482	1.00 51.56	E	ATOM 16542 OE1 GLU E 263	86.956 -28.000 -34.641	1.00 80.24	E
	ATOM 16458 CG2 THR E 252	76.627 -21.479 -20.109	1.00 51.56	E	ATOM 16543 OE2 GLU E 263	86.396 -30.043 -35.259	1.00 80.24	E
	ATOM 16459 C THR E 252	74.383 -19.463 -20.041	1.00 49.09	E	ATOM 16544 C GLU E 263	88.643 -28.393 -39.532	1.00 55.06	E
	ATOM 16460 O THR E 252	75.191 -18.547 -19.922	1.00 49.09	E	ATOM 16545 O GLU E 263	87.031 -26.567 -39.264	1.00 55.06	E
	ATOM 16461 N GLY E 253	73.338 -19.604 -19.232	1.00 51.02	E	ATOM 16546 N THR E 264	89.905 -28.750 -39.378	1.00 63.39	E
15	ATOM 16462 CA GLY E 253	73.096 -18.610 -18.200	1.00 51.02	E	ATOM 16547 CA THR E 264	90.522 -29.839 -40.103	1.00 63.39	E
	ATOM 16463 C GLY E 253	72.840 -17.254 -18.851	1.00 51.02	E	ATOM 16548 CB THR E 264	91.726 -29.272 -40.885	1.00 78.05	E
	ATOM 16464 O GLY E 253	72.012 -17.138 -19.765	1.00 51.02	E	ATOM 16549 OG1 THR E 264	91.339 -29.082 -42.243	1.00 56.98	E
	ATOM 16465 N LEU E 254	73.550 -16.226 -18.397	1.00 52.80	E	ATOM 16550 CG2 THR E 264	92.928 -30.160 -40.814	1.00 56.98	E
	ATOM 16466 CA LEU E 254	73.397 -14.890 -18.971	1.00 52.80	E	ATOM 16551 C THR E 264	90.959 -30.903 -39.115	1.00 63.39	E
	ATOM 16467 CB LEU E 254	73.972 -13.816 -18.054	1.00 41.56	E	ATOM 16552 O THR E 264	90.973 -30.673 -37.904	1.00 63.39	E
	ATOM 16468 CG LEU E 254	73.277 -13.525 -16.734	1.00 41.56	E	ATOM 16553 N ALA E 265	91.300 -32.078 -39.617	1.00 60.61	E
	ATOM 16469 CD1 LEU E 254	73.935 -12.314 -16.101	1.00 41.56	E	ATOM 16554 CA ALA E 265	91.756 -33.141 -38.731	1.00 60.61	E
	ATOM 16470 CD2 LEU E 254	71.806 -13.273 -16.971	1.00 41.56	E	ATOM 16555 CB ALA E 265	92.054 -34.405 -39.536	1.00 53.08	E
	ATOM 16471 C LEU E 254	74.101 -14.768 -20.311	1.00 52.80	E	ATOM 16556 C ALA E 265	93.017 -32.658 -38.007	1.00 60.61	E
20	ATOM 16472 O LEU E 254	73.699 -13.964 -21.148	1.00 52.80	E	ATOM 16557 O ALA E 265	93.354 -33.151 -36.944	1.00 60.61	E
	ATOM 16473 N LEU E 255	75.161 -15.548 -20.504	1.00 45.06	E	ATOM 16558 N ASN E 266	93.696 -31.680 -38.599	1.00 71.33	E
	ATOM 16474 CA LEU E 255	75.910 -15.495 -21.749	1.00 45.06	E	ATOM 16559 CA ASN E 266	94.913 -31.111 -38.035	1.00 71.33	E
	ATOM 16475 CB LEU E 255	77.231 -16.231 -21.595	1.00 34.43	E	ATOM 16560 CB ASN E 266	95.800 -30.551 -39.144	1.00137.07	E
	ATOM 16476 CG LEU E 255	78.092 -15.817 -20.402	1.00 34.43	E	ATOM 16561 CG ASN E 266	96.103 -31.571 -40.210	1.00 78.92	E
	ATOM 16477 CD1 LEU E 255	79.421 -16.571 -20.440	1.00 34.43	E	ATOM 16562 OD1 ASN E 266	96.548 -32.677 -39.914	1.00 78.92	E
	ATOM 16478 CD2 LEU E 255	78.329 -14.323 -20.440	1.00 34.43	E	ATOM 16563 ND2 ASN E 266	95.866 -31.206 -41.464	1.00 78.92	E
	ATOM 16479 C LEU E 255	75.142 -16.093 -22.920	1.00 45.06	E	ATOM 16564 C ASN E 266	94.621 -30.001 -37.036	1.00 71.33	E
	ATOM 16480 O LEU E 255	74.320 -16.985 -22.743	1.00 45.06	E	ATOM 16565 O ASN E 266	95.515 -29.585 -36.309	1.00 71.33	E
	ATOM 16481 N PHE E 256	75.404 -15.593 -24.120	1.00 42.82	E	ATOM 16566 N GLY E 267	93.379 -29.517 -37.011	1.00 72.27	E
	ATOM 16482 CA PHE E 256	74.747 -16.101 -25.319	1.00 42.82	E	ATOM 16567 CA GLY E 267	93.013 -28.465 -36.078	1.00 72.27	E
	ATOM 16483 CB PHE E 256	73.303 -15.598 -25.391	1.00 52.19	E	ATOM 16568 C GLY E 267	92.212 -27.327 -36.687	1.00 72.27	E
25	ATOM 16484 CG PHE E 256	73.178 -14.116 -25.569	1.00 49.20	E	ATOM 16569 O GLY E 267	92.030 -27.282 -37.899	1.00 72.27	E
	ATOM 16485 CD1 PHE E 256	73.002 -13.567 -26.833	1.00 49.20	E	ATOM 16570 N PRO E 268	91.733 -26.377 -35.864	1.00 61.72	E
	ATOM 16486 CD2 PHE E 256	73.229 -13.263 -24.470	1.00 49.20	E	ATOM 16571 CD PRO E 268	92.114 -26.176 -34.455	1.00 53.61	E
	ATOM 16487 CE1 PHE E 256	72.875 -12.197 -27.000	1.00 49.20	E	ATOM 16572 CA PRO E 268	90.948 -25.241 -36.352	1.00 61.72	E
	ATOM 16488 CE2 PHE E 256	73.104 -11.886 -24.627	1.00 49.20	E	ATOM 16573 CB PRO E 268	90.864 -24.327 -35.129	1.00 69.50	E
	ATOM 16489 CZ PHE E 256	72.927 -11.352 -25.887	1.00 49.20	E	ATOM 16574 CG PRO E 268	92.091 -24.683 -34.347	1.00 53.61	E
	ATOM 16490 C PHE E 256	75.536 -15.671 -26.552	1.00 42.82	E	ATOM 16575 C PRO E 268	91.594 -24.571 -37.550	1.00 61.72	E
	ATOM 16491 O PHE E 256	76.099 -14.576 -26.579	1.00 42.82	E	ATOM 16576 O PRO E 268	92.804 -24.370 -37.588	1.00 61.72	E
	ATOM 16492 N GLY E 257	75.598 -16.546 -27.554	1.00 45.52	E	ATOM 16577 N LEU E 269	90.767 -24.231 -38.530	1.00 60.13	E
	ATOM 16493 CA GLY E 257	76.326 -16.232 -28.769	1.00 45.52	E	ATOM 16578 CA LEU E 269	91.233 -23.598 -39.747	1.00 60.13	E
	ATOM 16494 C GLY E 257	76.147 -17.309 -29.812	1.00 45.52	E	ATOM 16579 CB LEU E 269	90.731 -24.402 -40.937	1.00 85.06	E
30	ATOM 16495 O GLY E 257	75.444 -18.297 -29.578	1.00 45.52	E	ATOM 16580 CG LEU E 269	91.411 -24.147 -42.268	1.00 50.40	E
	ATOM 16496 N SER E 258	76.776 -17.129 -30.968	1.00 32.67	E	ATOM 16581 CD1 LEU E 269	92.905 -24.316 -42.093	1.00 50.40	E
	ATOM 16497 CA SER E 258	76.669 -18.103 -32.042	1.00 32.67	E	ATOM 16582 CD2 LEU E 269	90.866 -25.111 -43.310	1.00 50.40	E
	ATOM 16498 CB SER E 258	75.658 -17.631 -33.085	1.00 34.55	E	ATOM 16583 C LEU E 269	90.781 -22.139 -39.857	1.00 60.13	E
	ATOM 16499 OG SER E 258	76.156 -16.509 -33.784	1.00 44.67	E	ATOM 16584 O LEU E 269	91.592 -21.228 -39.682	1.00 60.13	E
	ATOM 16500 C SER E 258	78.042 -18.255 -32.673	1.00 32.67	E	ATOM 16585 N ALA E 270	89.496 -21.915 -40.128	1.00 49.51	E
	ATOM 16501 O SER E 258	78.906 -17.411 -32.478	1.00 32.67	E	ATOM 16586 CA ALA E 270	88.968 -20.555 -40.262	1.00 49.51	E
	ATOM 16502 N TYR E 259	78.252 -19.331 -33.420	1.00 31.70	E	ATOM 16587 CB ALA E 270	88.875 -20.169 -41.741	1.00 36.24	E
	ATOM 16503 CA TYR E 259	79.544 -19.551 -34.051	1.00 31.70	E	ATOM 16588 C ALA E 270	87.613 -20.353 -39.599	1.00 49.51	E
	ATOM 16504 CB TYR E 259	80.458 -20.328 -33.108	1.00 44.20	E	ATOM 16589 O ALA E 270	86.764 -21.243 -39.589	1.00 49.51	E
	ATOM 16505 CG TYR E 259	79.816 -21.598 -32.604	1.00 39.95	E	ATOM 16590 N ARG E 271	87.413 -19.147 -39.082	1.00 55.73	E
35	ATOM 16506 CD1 TYR E 259	79.807 -22.764 -33.382	1.00 39.95	E	ATOM 16591 CA ARG E 271	86.188 -18.755 -38.394	1.00 55.73	E
	ATOM 16507 CE1 TYR E 259	79.116 -23.893 -32.967	1.00 39.95	E	ATOM 16592 CB ARG E 271	86.590 -18.165 -37.046	1.00 51.15	E
	ATOM 16508 CD2 TYR E 259	79.122 -21.612 -31.393	1.00 39.95	E	ATOM 16593 CG ARG E 271	85.519 -17.441 -36.300	1.00 44.27	E
	ATOM 16509 CE2 TYR E 259	78.431 -22.733 -30.980	1.00 39.95	E	ATOM 16594 CD ARG E 271	86.096 -16.839 -35.034	1.00 44.27	E
	ATOM 16510 CZ TYR E 259	78.427 -23.864 -31.768	1.00 39.95	E	ATOM 16595 NE ARG E 271	86.476 -17.855 -34.058	1.00 44.27	E
	ATOM 16511 OH TYR E 259	77.694 -24.950 -31.365	1.00 39.95	E	ATOM 16596 CZ ARG E 271	87.727 -18.196 -33.765	1.00 44.27	E
	ATOM 16512 C TYR E 259	79.417 -20.296 -35.361	1.00 31.70	E	ATOM 16597 NHI ARG E 271	88.744 -17.606 -34.377	1.00 44.27	E
	ATOM 16513 O TYR E 259	78.382 -20.890 -35.659	1.00 31.70	E				
	ATOM 16514 N GLY E 260	80.489 -20.262 -36.138	1.00 36.84	E				

65251/C766

1	ATOM 16598 NH2 ARG E 271	87.963 -19.116 -32.839	1.00 44.27	E	ATOM 16683 CG LYS E 281	93.906 -15.368 -39.710	1.00 80.04	E
	ATOM 16599 C ARG E 271	85.426 -17.737 -39.244	1.00 55.73	E	ATOM 16684 CD LYS E 281	95.058 -15.013 -38.778	1.00 80.04	E
	ATOM 16600 O ARG E 271	86.026 -16.828 -39.810	1.00 55.73	E	ATOM 16685 CE LYS E 281	96.412 -15.434 -39.335	1.00 80.04	E
	ATOM 16601 N TYR E 272	84.109 -17.896 -39.344	1.00 49.31	E	ATOM 16686 NZ LYS E 281	97.540 -15.003 -38.450	1.00 80.04	E
	ATOM 16602 CA TYR E 272	83.303 -16.979 -40.142	1.00 49.31	E	ATOM 16687 C LYS E 281	92.012 -17.552 -38.145	1.00 51.48	E
5	ATOM 16603 CB TYR E 272	82.119 -17.706 -40.774	1.00 42.70	E	ATOM 16688 O LYS E 281	91.717 -16.619 -37.397	1.00 51.48	E
	ATOM 16604 CG TYR E 272	81.274 -16.800 -41.657	1.00 40.17	E	ATOM 16689 N MET E 282	92.101 -18.807 -37.720	1.00 54.63	E
	ATOM 16605 CD1 TYR E 272	81.653 -16.523 -42.972	1.00 40.17	E	ATOM 16690 CA MET E 282	91.916 -19.154 -36.316	1.00 54.63	E
	ATOM 16606 CE1 TYR E 272	80.898 -15.666 -43.771	1.00 40.17	E	ATOM 16691 CB MET E 282	91.009 -20.374 -36.160	1.00 62.17	E
	ATOM 16607 CD2 TYR E 272	80.119 -16.200 -41.170	1.00 40.17	E	ATOM 16692 CG MET E 282	89.549 -20.139 -36.470	1.00 62.17	E
10	ATOM 16608 CE2 TYR E 272	79.361 -15.353 -41.967	1.00 40.17	E	ATOM 16693 SD MET E 282	88.553 -21.482 -35.764	1.00 62.17	E
	ATOM 16609 CZ TYR E 272	79.754 -15.089 -43.259	1.00 40.17	E	ATOM 16694 CE MET E 282	88.509 -22.561 -37.133	1.00 62.17	E
	ATOM 16610 OH TYR E 272	78.997 -14.252 -44.033	1.00 40.17	E	ATOM 16695 C MET E 282	93.276 -19.487 -35.711	1.00 54.63	E
	ATOM 16611 C TYR E 272	82.768 -15.821 -39.317	1.00 49.31	E	ATOM 16696 O MET E 282	93.408 -19.682 -34.505	1.00 54.63	E
	ATOM 16612 O TYR E 272	82.065 -16.037 -38.334	1.00 49.31	E	ATOM 16697 N THR E 283	94.282 -19.560 -36.570	1.00 97.74	E
15	ATOM 16613 N HIS E 273	83.086 -14.593 -39.723	1.00 52.28	E	ATOM 16698 CA THR E 283	95.639 -19.877 -36.159	1.00 97.74	E
	ATOM 16614 CA HIS E 273	82.614 -13.421 -38.996	1.00 52.28	E	ATOM 16699 CB THR E 283	95.981 -21.328 -36.516	1.00 86.74	E
	ATOM 16615 CB HIS E 273	83.740 -12.400 -38.820	1.00 142.84	E	ATOM 16700 OG1 THR E 283	95.145 -22.206 -35.761	1.00 86.74	E
	ATOM 16616 CG HIS E 273	84.744 -12.797 -37.785	1.00 123.57	E	ATOM 16701 CG2 THR E 283	97.424 -21.636 -36.204	1.00 86.74	E
	ATOM 16617 CD2 HIS E 273	86.074 -13.034 -37.874	1.00 123.57	E	ATOM 16702 C THR E 283	96.596 -18.957 -36.898	1.00 97.74	E
20	ATOM 16618 ND1 HIS E 273	84.400 -13.036 -36.471	1.00 123.57	E	ATOM 16703 O THR E 283	96.242 -18.400 -37.938	1.00 97.74	E
	ATOM 16619 CE1 HIS E 273	85.474 -13.404 -35.796	1.00 123.57	E	ATOM 16704 N HIS E 284	97.801 -18.791 -36.357	1.00 90.45	E
	ATOM 16620 NE2 HIS E 273	86.504 -13.411 -36.624	1.00 123.57	E	ATOM 16705 CA HIS E 284	98.819 -17.949 -36.980	1.00 90.45	E
	ATOM 16621 C HIS E 273	81.412 -12.766 -39.642	1.00 52.28	E	ATOM 16706 CB HIS E 284	100.103 -17.985 -36.150	1.00 142.16	E
	ATOM 16622 O HIS E 273	81.454 -12.311 -40.785	1.00 52.28	E	ATOM 16707 CG HIS E 284	100.635 -19.368 -35.930	1.00 142.16	E
25	ATOM 16623 N THR E 274	80.327 -12.751 -38.883	1.00 41.45	E	ATOM 16708 CD2 HIS E 284	101.777 -19.963 -36.348	1.00 142.16	E
	ATOM 16624 CA THR E 274	79.080 -12.150 -39.304	1.00 41.45	E	ATOM 16709 ND1 HIS E 284	99.940 -20.329 -35.226	1.00 142.16	E
	ATOM 16625 CB THR E 274	78.065 -12.241 -38.159	1.00 66.44	E	ATOM 16710 CE1 HIS E 284	100.630 -21.456 -35.222	1.00 142.16	E
	ATOM 16626 OG1 THR E 274	77.243 -13.396 -38.363	1.00 58.97	E	ATOM 16711 NE2 HIS E 284	101.749 -21.261 -35.896	1.00 142.16	E
	ATOM 16627 CG2 THR E 274	77.218 -10.973 -38.065	1.00 58.97	E	ATOM 16712 C HIS E 284	99.097 -18.495 -38.383	1.00 90.45	E
30	ATOM 16628 C THR E 274	79.257 -10.695 -39.740	1.00 41.45	E	ATOM 16713 O HIS E 284	99.339 -17.740 -39.329	1.00 90.45	E
	ATOM 16629 O THR E 274	78.627 -10.256 -40.698	1.00 41.45	E	ATOM 16714 N LYS E 285	99.036 -19.820 -38.494	1.00 74.92	E
	ATOM 16630 N GLY E 275	80.112 -9.959 -39.033	1.00 65.46	E	ATOM 16715 CA LYS E 285	99.281 -20.546 -39.735	1.00 74.92	E
	ATOM 16631 CA GLY E 275	80.357 -8.570 -39.368	1.00 65.46	E	ATOM 16716 CB LYS E 285	98.951 -22.025 -39.533	1.00 97.36	E
	ATOM 16632 C GLY E 275	81.026 -8.380 -40.718	1.00 65.46	E	ATOM 16717 CG LYS E 285	100.048 -22.975 -39.963	1.00 97.36	E
35	ATOM 16633 O GLY E 275	80.437 -7.800 -41.633	1.00 65.46	E	ATOM 16718 CD LYS E 285	101.288 -22.818 -39.091	1.00 97.36	E
	ATOM 16634 N ASP E 276	82.250 -8.882 -40.849	1.00 61.37	E	ATOM 16719 CE LYS E 285	102.390 -23.791 -39.507	1.00 97.36	E
	ATOM 16635 CA ASP E 276	83.023 -8.750 -42.081	1.00 61.37	E	ATOM 16720 NZ LYS E 285	103.608 -23.666 -38.655	1.00 97.36	E
	ATOM 16636 CB ASP E 276	84.469 -9.160 -41.827	1.00 138.64	E	ATOM 16721 C LYS E 285	98.508 -20.031 -40.947	1.00 74.92	E
	ATOM 16637 CG ASP E 276	85.049 -8.498 -40.600	1.00 117.64	E	ATOM 16722 O LYS E 285	98.987 -20.129 -42.078	1.00 74.92	E

65251/C766

1	ATOM 16767 CB MET E 292	83.217 -23.498 -48.624	1.00 60.15	E	ATOM 16852 CB ASP E 302	75.063 -20.790 -51.574	1.00 98.36	E
	ATOM 16768 CG MET E 292	84.091 -24.013 -47.500	1.00 60.15	E	ATOM 16853 CG ASP E 302	74.164 -20.698 -52.793	1.00 98.36	E
	ATOM 16769 SD MET E 292	83.153 -24.619 -46.116	1.00 60.15	E	ATOM 16854 OD1 ASP E 302	73.025 -20.208 -52.643	1.00 98.36	E
	ATOM 16770 CE MET E 292	83.578 -26.328 -46.151	1.00 60.15	E	ATOM 16855 OD2 ASP E 302	74.586 -21.118 -53.894	1.00 98.36	E
	ATOM 16771 C MET E 292	84.672 -21.526 -48.734	1.00 63.42	E	ATOM 16856 C ASP E 302	75.775 -19.674 -49.440	1.00 48.27	E
5	ATOM 16772 O MET E 292	83.998 -20.768 -48.043	1.00 63.42	E	ATOM 16857 O ASP E 302	75.074 -19.860 -48.451	1.00 48.27	E
	ATOM 16773 N LEU E 293	85.992 -21.456 -48.784	1.00 63.20	E	ATOM 16858 N VAL E 303	77.100 -19.634 -49.376	1.00 32.68	E
	ATOM 16774 CA LEU E 293	86.704 -20.476 -47.987	1.00 63.20	E	ATOM 16859 CA VAL E 303	77.782 -19.804 -48.103	1.00 32.68	E
	ATOM 16775 CB LEU E 293	87.972 -21.107 -47.414	1.00 51.99	E	ATOM 16860 CB VAL E 303	79.310 -19.734 -48.270	1.00 31.85	E
	ATOM 16776 CG LEU E 293	87.732 -22.260 -46.431	1.00 51.99	E	ATOM 16861 CG1 VAL E 303	79.998 -19.777 -46.907	1.00 21.16	E
10	ATOM 16777 CD1 LEU E 293	89.050 -22.913 -46.043	1.00 51.99	E	ATOM 16862 CG2 VAL E 303	79.778 -20.897 -49.099	1.00 21.16	E
	ATOM 16778 CD2 LEU E 293	87.016 -21.725 -45.206	1.00 51.99	E	ATOM 16863 C VAL E 303	77.334 -18.690 -47.160	1.00 32.68	E
	ATOM 16779 C LEU E 293	87.064 -19.150 -48.653	1.00 63.20	E	ATOM 16864 O VAL E 303	76.896 -18.949 -46.033	1.00 32.68	E
	ATOM 16780 O LEU E 293	87.624 -18.281 -47.988	1.00 63.20	E	ATOM 16865 N LYS E 304	77.444 -17.449 -47.628	1.00 51.77	E
	ATOM 16781 N THR E 294	86.766 -18.978 -49.942	1.00 60.94	E	ATOM 16866 CA LYS E 304	77.027 -16.279 -46.843	1.00 51.77	E
15	ATOM 16782 CA THR E 294	87.088 -17.717 -50.609	1.00 60.94	E	ATOM 16867 CB LYS E 304	77.058 -15.012 -47.700	1.00 89.51	E
	ATOM 16783 CB THR E 294	88.144 -17.868 -51.696	1.00 87.36	E	ATOM 16868 CG LYS E 304	78.402 -14.333 -47.831	1.00 71.43	E
	ATOM 16784 OG1 THR E 294	89.156 -18.770 -51.253	1.00 87.36	E	ATOM 16869 CD LYS E 304	78.264 -13.121 -48.735	1.00 71.43	E
	ATOM 16785 CG2 THR E 294	88.781 -16.509 -51.990	1.00 87.36	E	ATOM 16870 CE LYS E 304	79.558 -12.335 -48.818	1.00 71.43	E
	ATOM 16786 C THR E 294	85.898 -17.098 -51.284	1.00 60.94	E	ATOM 16871 NZ LYS E 304	79.473 -11.230 -49.824	1.00 71.43	E
20	ATOM 16787 O THR E 294	84.993 -17.798 -51.722	1.00 60.94	E	ATOM 16872 C LYS E 304	75.605 -16.457 -46.323	1.00 51.77	E
	ATOM 16788 N VAL E 295	85.915 -15.775 -51.383	1.00 61.47	E	ATOM 16873 O LYS E 304	75.316 -16.204 -45.159	1.00 51.77	E
	ATOM 16789 CA VAL E 295	84.833 -15.056 -52.027	1.00 61.47	E	ATOM 16874 N ALA E 305	74.719 -16.901 -47.202	1.00 43.85	E
	ATOM 16790 CB VAL E 295	84.979 -13.555 -51.809	1.00 88.28	E	ATOM 16875 CA ALA E 305	73.328 -17.089 -46.844	1.00 43.85	E
	ATOM 16791 CG1 VAL E 295	83.796 -12.819 -52.433	1.00 88.28	E	ATOM 16876 CB ALA E 305	72.502 -17.282 -48.103	1.00 26.45	E
25	ATOM 16792 CG2 VAL E 295	85.085 -13.271 -50.318	1.00 88.28	E	ATOM 16877 C ALA E 305	73.075 -18.233 -45.877	1.00 43.85	E
	ATOM 16793 C VAL E 295	84.905 -15.365 -53.512	1.00 61.47	E	ATOM 16878 O ALA E 305	72.411 -18.043 -44.856	1.00 43.85	E
	ATOM 16794 O VAL E 295	83.916 -15.218 -54.236	1.00 61.47	E	ATOM 16879 N TYR E 306	73.593 -19.419 -46.193	1.00 45.84	E
	ATOM 16795 N LYS E 296	86.082 -15.816 -53.947	1.00 63.62	E	ATOM 16880 CA TYR E 306	73.369 -20.577 -45.344	1.00 45.84	E
	ATOM 16796 CA LYS E 296	86.330 -16.159 -55.348	1.00 63.62	E	ATOM 16881 CB TYR E 306	73.734 -21.853 -46.087	1.00 53.48	E
30	ATOM 16797 CB LYS E 296	87.774 -16.645 -55.528	1.00 61.47	E	ATOM 16882 CG TYR E 306	72.820 -22.149 -47.248	1.00 48.17	E
	ATOM 16798 CG LYS E 296	88.843 -15.636 -55.143	1.00 61.47	E	ATOM 16883 CD1 TYR E 306	73.287 -22.847 -48.367	1.00 48.17	E
	ATOM 16799 CD LYS E 296	88.969 -14.525 -56.170	1.00 61.47	E	ATOM 16884 CE1 TYR E 306	72.451 -23.131 -49.442	1.00 48.17	E
	ATOM 16800 CE LYS E 296	89.538 -15.049 -57.484	1.00 61.47	E	ATOM 16885 CD2 TYR E 306	71.487 -21.745 -47.232	1.00 48.17	E
	ATOM 16801 NZ LYS E 296	89.662 -13.984 -58.522	1.00 61.47	E	ATOM 16886 CE2 TYR E 306	70.644 -22.027 -48.299	1.00 48.17	E
35	ATOM 16802 C LYS E 296	85.382 -17.253 -55.824	1.00 63.62	E	ATOM 16887 CZ TYR E 306	71.128 -22.718 -49.398	1.00 48.17	E
	ATOM 16803 O LYS E 296	85.007 -17.284 -56.996	1.00 63.62	E	ATOM 16888 OH TYR E 306	70.286 -23.003 -50.448	1.00 48.17	E
	ATOM 16804 N ASN E 297	84.995 -18.140 -54.907	1.00 50.03	E	ATOM 16889 C TYR E 306	74.121 -20.521 -44.036	1.00 45.84	E
	ATOM 16805 CA ASN E 297	84.120 -19.266 -55.233	1.00 50.03	E	ATOM 16890 O TYR E 306	73.532 -20.694 -42.980	1.00 45.84	E
	ATOM 16806 CB ASN E 297	83.951 -20.186 -54.023	1.00 51.76	E	ATOM 16891 N LEU E 307	75.419 -20.274 -44.102	1.00 36.75	E

65251/C766

1	ATOM 16937 C TYR E 312	72.334 -14.109 -36.857	1.00 44.25	E	ATOM 17022 CA LYS E 324	59.969 -26.152 -26.523	1.00 53.23	E
	ATOM 16938 O TYR E 312	72.192 -13.230 -36.015	1.00 44.25	E	ATOM 17023 CB LYS E 324	59.107 -25.380 -27.529	1.00 77.79	E
	ATOM 16939 N MET E 313	71.413 -15.037 -37.074	1.00 46.56	E	ATOM 17024 CG LYS E 324	58.916 -23.916 -27.233	1.00 67.22	E
	ATOM 16940 CA MET E 313	70.176 -15.013 -36.314	1.00 46.56	E	ATOM 17025 CD LYS E 324	57.835 -23.340 -28.129	1.00 67.22	E
	ATOM 16941 CB MET E 313	69.281 -13.880 -36.823	1.00 72.91	E	ATOM 17026 CE LYS E 324	57.583 -21.868 -27.823	1.00 67.22	E
5	ATOM 16942 CG MET E 313	67.990 -13.738 -36.059	1.00 72.76	E	ATOM 17027 NZ LYS E 324	56.414 -21.299 -28.566	1.00 67.22	E
	ATOM 16943 SD MET E 313	66.955 -12.487 -36.761	1.00 72.76	E	ATOM 17028 C LYS E 324	59.645 -27.632 -26.665	1.00 53.23	E
	ATOM 16944 CE MET E 313	68.056 -11.048 -36.678	1.00 72.76	E	ATOM 17029 O LYS E 324	59.026 -28.236 -25.789	1.00 53.23	E
	ATOM 16945 C MET E 313	69.396 -16.319 -36.372	1.00 46.56	E	ATOM 17030 N MET E 325	60.056 -28.220 -27.777	1.00 52.32	E
	ATOM 16946 O MET E 313	68.742 -16.712 -35.398	1.00 46.56	E	ATOM 17031 CA MET E 325	59.769 -29.621 -28.014	1.00 52.32	E
10	ATOM 16947 N GLY E 314	69.462 -16.987 -37.518	1.00 31.22	E	ATOM 17032 CB MET E 325	59.992 -29.954 -29.482	1.00 72.23	E
	ATOM 16948 CA GLY E 314	68.733 -18.226 -37.687	1.00 31.22	E	ATOM 17033 CG MET E 325	59.051 -29.227 -30.402	1.00 60.79	E
	ATOM 16949 C GLY E 314	68.817 -19.168 -36.522	1.00 31.22	E	ATOM 17034 SD MET E 325	59.347 -29.645 -32.118	1.00 60.79	E
	ATOM 16950 O GLY E 314	67.800 -19.597 -35.984	1.00 31.22	E	ATOM 17035 CE MET E 325	60.339 -28.262 -32.633	1.00 60.79	E
	ATOM 16951 N CYS E 315	70.040 -19.490 -36.133	1.00 39.90	E	ATOM 17036 C MET E 325	60.578 -30.572 -27.151	1.00 52.32	E
15	ATOM 16952 CA CYS E 315	70.259 -20.411 -35.037	1.00 39.90	E	ATOM 17037 O MET E 325	60.269 -31.754 -27.067	1.00 52.32	E
	ATOM 16953 CB CYS E 315	71.746 -20.621 -34.834	1.00 57.75	E	ATOM 17038 N ALA E 326	61.616 -30.075 -26.506	1.00 44.60	E
	ATOM 16954 SG CYS E 315	72.098 -22.014 -33.782	1.00 63.12	E	ATOM 17039 CA ALA E 326	62.423 -30.955 -25.684	1.00 44.60	E
	ATOM 16955 C CYS E 315	69.621 -19.958 -33.727	1.00 39.90	E	ATOM 17040 CB ALA E 326	63.901 -30.560 -25.798	1.00 35.85	E
	ATOM 16956 O CYS E 315	68.870 -20.712 -33.101	1.00 39.90	E	ATOM 17041 C ALA E 326	61.979 -30.933 -24.222	1.00 44.60	E
20	ATOM 16957 N SER E 316	69.910 -18.729 -33.313	1.00 48.44	E	ATOM 17042 O ALA E 326	62.199 -31.905 -23.493	1.00 44.60	E
	ATOM 16958 CA SER E 316	69.345 -18.215 -32.070	1.00 48.44	E	ATOM 17043 N LYS E 327	61.337 -29.837 -23.817	1.00 76.60	E
	ATOM 16959 CB SER E 316	69.772 -16.770 -31.851	1.00 56.71	E	ATOM 17044 CA LYS E 327	60.899 -29.642 -22.442	1.00 76.60	E
	ATOM 16960 OG SER E 316	69.162 -15.928 -32.803	1.00 62.21	E	ATOM 17045 CB LYS E 327	59.581 -28.880 -22.388	1.00160.18	E
	ATOM 16961 C SER E 316	67.822 -18.305 -32.038	1.00 48.44	E	ATOM 17046 CG LYS E 327	59.275 -28.392 -20.984	1.00 78.47	E
25	ATOM 16962 O SER E 316	67.236 -18.404 -30.967	1.00 48.44	E	ATOM 17047 CD LYS E 327	58.037 -27.509 -20.934	1.00 78.47	E
	ATOM 16963 N LEU E 317	67.178 -18.255 -33.198	1.00 41.77	E	ATOM 17048 CE LYS E 327	57.796 -26.957 -19.528	1.00 78.47	E
	ATOM 16964 CA LEU E 317	65.726 -18.368 -33.240	1.00 41.77	E	ATOM 17049 NZ LYS E 327	56.565 -26.110 -19.452	1.00 78.47	E
	ATOM 16965 CB LEU E 317	65.174 -17.748 -34.527	1.00 54.64	E	ATOM 17050 C LYS E 327	60.777 -30.901 -21.605	1.00 76.60	E
	ATOM 16966 CG LEU E 317	65.244 -16.222 -34.625	1.00 47.15	E	ATOM 17051 O LYS E 327	61.550 -31.108 -20.664	1.00 76.60	E
30	ATOM 16967 CD1 LEU E 317	64.821 -15.755 -36.005	1.00 47.15	E	ATOM 17052 N GLY E 328	59.826 -31.761 -21.938	1.00 53.17	E
	ATOM 16968 CD2 LEU E 317	64.347 -15.617 -33.556	1.00 47.15	E	ATOM 17053 CA GLY E 328	59.674 -32.958 -21.133	1.00 53.17	E
	ATOM 16969 C LEU E 317	65.311 -19.847 -33.166	1.00 41.77	E	ATOM 17054 C GLY E 328	60.497 -34.190 -21.482	1.00 53.17	E
	ATOM 16970 O LEU E 317	64.368 -20.228 -32.462	1.00 41.77	E	ATOM 17055 O GLY E 328	60.730 -35.037 -20.625	1.00 53.17	E
	ATOM 16971 N ALA E 318	66.031 -20.684 -33.892	1.00 42.09	E	ATOM 17056 N LYS E 329	60.966 -34.299 -22.718	1.00 61.08	E
35	ATOM 16972 CA ALA E 318	65.732 -22.096 -33.920	1.00 42.09	E	ATOM 17057 CA LYS E 329	61.694 -35.495 -23.109	1.00 61.08	E
	ATOM 16973 CB ALA E 318	66.619 -22.779 -34.917	1.00 38.05	E	ATOM 17058 CB LYS E 329	61.342 -35.838 -24.559	1.00182.46	E
	ATOM 16974 C ALA E 318	65.896 -22.754 -32.566	1.00 42.09	E	ATOM 17059 CG LYS E 329	59.883 -36.225 -24.753	1.00182.46	E
	ATOM 16975 O ALA E 318	65.021 -23.505 -32.119	1.00 42.09	E	ATOM 17060 CD LYS E 329	59.697 -36.965 -26.062	1.00182.46	E
	ATOM 16976 N ILE E 319	67.015 -22.479 -31.902	1.00 45.42	E	ATOM 17061 CE LYS E 329	58.272 -37.445 -26.257	1.00 72.22	E
40	ATOM 16977 CA ILE E 319	67.277 -23.098 -30.614	1.00 45.42	E	ATOM 17062 NZ LYS E 329	58.148 -38.201 -27.534	1.00 72.22	E
	ATOM 16978 CB ILE E 319	68.498 -22.471 -29.929	1.00 49.85	E	ATOM 17063 C LYS E 329	63.209 -35.614 -22.911	1.00 61.08	E
	ATOM 16979 CG2 ILE E 319	68.153 -21.068 -29.435	1.00 24.41	E	ATOM 17064 O LYS E 329	63.828 -36.501 -23.494	1.00 61.08	E
	ATOM 16980 CG1 ILE E 319	68.945 -23.369 -28.768	1.00 24.41	E	ATOM 17065 N ILE E 330	63.823 -34.757 -22.101	1.00 45.30	E
	ATOM 16981 CD1 ILE E 319	70.232 -22.936 -28.069	1.00 24.41	E	ATOM 17066 CA ILE E 330	65.277 -34.881 -21.881	1.00 45.30	E
45	ATOM 16982 C ILE E 319	66.074 -23.024 -29.677	1.00 45.42	E	ATOM 17067 CB ILE E 330	66.109 -33.878 -22.757	1.00 52.51	E
	ATOM 16983 O ILE E 319	65.879 -23.926 -28.862	1.00 45.42	E	ATOM 17068 CG2 ILE E 330	65.750 -34.038 -24.236	1.00 53.43	E
	ATOM 16984 N LEU E 320	65.264 -21.970 -29.803	1.00 51.29	E	ATOM 17069 CG1 ILE E 330	65.863 -32.445 -22.297	1.00 53.43	E
	ATOM 16985 CA LEU E 320	64.092 -21.818 -28.952	1.00 51.29	E	ATOM 17070 CD1 ILE E 330	66.876 -31.471 -22.832	1.00 53.43	E
	ATOM 16986 CB LEU E 320	63.554 -20.386 -29.029	1.00 75.94	E	ATOM 17071 C ILE E 330	65.621 -34.657 -20.410	1.00 45.30	E
50	ATOM 16987 CG LEU E 320	64.490 -19.303 -28.470	1.00 53.78	E	ATOM 17072 O ILE E 330	64.765 -34.244 -19.633	1.00 45.30	E
	ATOM 16988 CD1 LEU E 320	63.817 -17.947 -28.583	1.00 53.78	E	ATOM 17073 N PRO E 331	66.878 -34.930 -20.009	1.00 54.08	E
	ATOM 16989 CD2 LEU E 320	64.843 -19.597 -27.011	1.00 53.78	E	ATOM 17074 CD PRO E 331	68.015 -35.375 -20.832	1.00 34.29	E
	ATOM 16990 C LEU E 320	62.990 -22.827 -29.287	1.00 51.29	E	ATOM 17075 CA PRO E 331	67.307 -34.749 -18.617	1.00 54.08	E
	ATOM 16991 O LEU E 320	62.238 -23.255 -28.401	1.00 51.29	E	ATOM 17076 CB PRO E 331	68.823 -34.823 -18.710	1.00178.27	E
55	ATOM 16992 N ASP E 321	62.896 -23.223 -30.556	1.00 60.96	E	ATOM 17077 CG PRO E 331	69.027 -35.803 -19.756	1.00 34.29	E
	ATOM 16993 CA ASP E 321	61.891 -24.205 -30.957	1.00 60.96	E	ATOM 17078 C PRO E 331	66.846 -33.420 -18.055	1.00 54.08	E
	ATOM 16994 CB ASP E 321	61.751 -24.266 -32.479	1.00116.87	E	ATOM 17079 O PRO E 331	66.945 -32.386 -18.721	1.00 54.08	E
	ATOM 16995 CG ASP E 321	61.083 -23.037 -33.052	1.00 95.87	E	ATOM 17080 N LYS E 332	66.333 -33.440 -16.832	1.00 56.35	E
	ATOM 16996 OD1 ASP E 321	60.068 -22.594 -32.471	1.00 95.87	E	ATOM 17081 CA LYS E 332	65.865 -32.211 -16.194	1.00 56.97	E
60	ATOM 16997 OD2 ASP E 321	61.564 -22.524 -34.090	1.00 95.87	E	ATOM 17082 CB LYS E 332	65.052 -32.549 -14.949	1.00104.38	E
	ATOM 16998 C ASP E 321	62.289 -25.579 -30.423	1.00 60.96	E	ATOM 17083 CG LYS E 332	65.863 -33.303 -13.920	1.00 75.92	E
	ATOM 16999 O ASP E 321	61.432 -26.368 -30.016	1.00 60.96	E	ATOM 17084 CD LYS E 332	65.249 -33.212 -12.552	1.00 75.92	E
	ATOM 17000 N TYR E 322	63.591 -25.866 -30.423	1.00 48.86	E	ATOM 17085 CE LYS E 332	66.176 -33.796 -11.508	1.00 75.92	E
	ATOM 17001 CA TYR E 322	64.073 -27.150 -29.928	1.00 48.86	E	ATOM 17086 NZ LYS E 332	65.632 -33.591 -10.134	1.00 75.92	E
65	ATOM 17002 CB TYR E 322	65.586 -27.276 -30.088	1.00 47.50	E	ATOM 17087 C LYS E 332	67.060 -31.337 -15.790	1.00 56.04	E
	ATOM 17003 CG TYR E 322	66.062 -27.564 -31.495	1.00 38.21	E	ATOM 17088 O LYS E 332	68.182 -31.827 -15.624	1.00 54.13	E
	ATOM 17004 CD1 TYR E 322	65.987 -26.593 -32.491	1.00 38.21	E	ATOM 17089 N ASP E 333	66.817 -30.043 -15.631	1.00 62.79	E
	ATOM 17005 CE1 TYR E 322	66.479 -26.840 -33.774	1.00 38.21	E	ATOM 17090 CA ASP E 333	67.880 -29.134 -15.229	1.00 62.25	E
	ATOM 17006 CD2 TYR E 322	66.634 -28.797 -31.824	1.00 38.21	E	ATOM 17091 CB ASP E 333	67.362 -27.698 -15.194	1.00176.17	E
70	ATOM 17007 CE2 TYR E 322	67.127 -29.050 -33.101	1.00 38.21	E	ATOM 17092 CG ASP E 333	67.525 -26.991 -16.519	1.00143.76	E
	ATOM 17008 CZ TYR E 322	67.052 -28.069 -34.065	1.00 38.21	E	ATOM 17093 ODI ASP E 333	67.341 -27.644 -17.567	1.00143.76	E
	ATOM 17009 OH TYR E 322	67.586 -28.284 -35.313	1.00 38.21	E	E			
	ATOM 17010 C TYR E 322	63.738 -27.255 -28.455	1.00 48.86	E	ATOM 17094 OD2 ASP E 333	67.829 -25.778 -16.514	1.00143.76	E
	ATOM 17011 O TYR E 322	63.229 -28.276 -27.987	1.00 48.86	E	E			
75	ATOM 17012 N GLN E 323	64.033 -26.184 -27.725	1.00 51.21	E	ATOM 17095 C ASP E 333	68.376 -29.535 -13.852	1.00 66.10	E
	ATOM 17013 CA GLN E 323	63.776 -26.143 -26.297	1.00 51.21	E	ATOM 17096 O ASP E 333	67.596 -29.937 -12.994	1.00 65.75	E
	ATOM 17014 CB GLN E 323	64.108 -24.769 -25.746	1.00 84.50	E	ATOM 17097 N THR E 334	69.680 -29.434 -13.644	1.00 62.13	E
	ATOM 17015 CG GLN E 323	63.855 -24.648 -24.272	1.00 58.89	E	ATOM 17098 CA THR E 334	70.269 -29.777 -12.360	1.00 61.85	E
	ATOM 17016 CD GLN E 323	64.324 -23.319 -23.717	1.00 58.89	E	ATOM 17099 CB THR E 334	70.887 -31.180 -12.402	1.00 68.32	E
80	ATOM 17017 OE1 GLN E 323	63.970 -22.252 -24.234	1.00 58.89	E	ATOM 17100 OG1 THR E 334	69.829 -32.145 -12.395	1.00 54.22	E
	ATOM 17018 NE2 GLN E 323	65.118 -23.373 -22.655	1.00 58.8					

65251/C766

1	ATOM 17105 CA THR E 335	72.037 -27.128 -10.354	1.00 50.82	E	ATOM 17190 OE2 GLU E 346	105.210 -30.401 -6.560	1.00200.84	E
	ATOM 17106 CB THR E 335	71.393 -26.257 -9.349	1.00 62.64	E	ATOM 17191 C GLU E 346	105.928 -24.530 -7.072	1.00200.84	E
	ATOM 17107 OG1 THR E 335	70.069 -25.908 -9.782	1.00 52.00	E	ATOM 17192 O GLU E 346	106.331 -23.572 -6.404	1.00200.84	E
	ATOM 17108 CG2 THR E 335	72.238 -25.000 -9.166	1.00 52.00	E	ATOM 17193 N ASP E 347	106.259 -24.697 -8.353	1.00200.84	E
	ATOM 17109 C THR E 335	73.293 -27.703 -9.732	1.00 51.68	E	ATOM 17194 CA ASP E 347	107.125 -23.733 -9.037	1.00200.84	E
5	ATOM 17110 O THR E 335	73.243 -28.613 -8.913	1.00 53.03	E	ATOM 17195 CB ASP E 347	107.449 -24.206 -10.465	1.00161.62	E
	ATOM 17111 N PRO E 336	74.446 -27.144 -10.090	1.00 50.82	E	ATOM 17196 CG ASP E 347	106.356 -23.864 -11.463	1.00161.62	E
	ATOM 17112 CD PRO E 336	74.661 -26.044 -11.044	1.00 28.60	E	ATOM 17197 OD1 ASP E 347	105.218 -24.356 -11.304	1.00161.62	E
	ATOM 17113 CA PRO E 336	75.721 -27.623 -9.566	1.00 50.40	E	ATOM 17198 OD2 ASP E 347	106.638 -23.100 -12.410	1.00161.62	E
	ATOM 17114 CB PRO E 336	76.698 -27.152 -10.621	1.00 37.46	E	ATOM 17199 C ASP E 347	106.517 -22.328 -9.077	1.00200.84	E
10	ATOM 17115 CG PRO E 336	76.155 -25.786 -10.922	1.00 28.60	E	ATOM 17200 O ASP E 347	107.229 -21.330 -8.943	1.00200.84	E
	ATOM 17116 C PRO E 336	76.110 -27.103 -8.195	1.00 50.44	E	ATOM 17201 N GLY E 348	105.200 -22.256 -9.260	1.00200.84	E
	ATOM 17117 O PRO E 336	75.462 -26.240 -7.629	1.00 51.07	E	ATOM 17202 CA GLY E 348	104.522 -20.972 -9.303	1.00200.84	E
	ATOM 17118 N THR E 337	77.200 -27.656 -7.688	1.00 53.06	E	ATOM 17203 C GLY E 348	103.899 -20.627 -7.963	1.00200.84	E
	ATOM 17119 CA THR E 337	77.780 -27.281 -6.413	1.00 56.52	E	ATOM 17204 O GLY E 348	103.483 -21.516 -7.219	1.00196.32	E
15	ATOM 17120 CB THR E 337	78.031 -28.515 -5.544	1.00105.85	E	ATOM 17205 N ASN E 349	103.824 -19.337 -7.647	1.00200.39	E
	ATOM 17121 OG1 THR E 337	76.781 -29.002 -5.055	1.00 56.74	E	ATOM 17206 CA ASN E 349	103.253 -18.907 -6.376	1.00200.29	E
	ATOM 17122 CG2 THR E 337	78.931 -28.179 -4.375	1.00 56.74	E	ATOM 17207 CB ASN E 349	103.136 -17.374 -6.337	1.00107.13	E
	ATOM 17123 C THR E 337	79.121 -26.676 -6.815	1.00 64.09	E	ATOM 17208 CG ASN E 349	102.784 -16.775 -7.686	1.00 92.31	E
	ATOM 17124 O THR E 337	79.855 -27.260 -7.617	1.00 55.47	E	ATOM 17209 OD1 ASN E 349	103.543 -16.886 -8.657	1.00 92.31	E
20	ATOM 17125 N VAL E 338	79.447 -25.505 -6.283	1.00 39.05	E	ATOM 17210 ND2 ASN E 349	101.631 -16.129 -7.752	1.00 92.31	E
	ATOM 17126 CA VAL E 338	80.711 -24.884 -6.644	1.00 45.91	E	ATOM 17211 C ASN E 349	101.912 -19.563 -6.027	1.00200.39	E
	ATOM 17127 CB VAL E 338	80.496 -23.527 -7.336	1.00 36.43	E	ATOM 17212 O ASN E 349	101.888 -20.560 -5.303	1.00200.39	E
	ATOM 17128 CG1 VAL E 338	81.809 -23.020 -7.907	1.00 36.05	E	ATOM 17213 N MET E 350	100.806 -19.026 -6.543	1.00132.02	E
	ATOM 17129 CG2 VAL E 338	79.454 -23.665 -8.432	1.00 36.05	E	ATOM 17214 CA MET E 350	99.484 -19.576 -6.236	1.00128.11	E
25	ATOM 17130 C VAL E 338	81.588 -24.669 -5.431	1.00 50.38	E	ATOM 17215 CB MET E 350	98.676 -18.538 -5.460	1.00153.51	E
	ATOM 17131 O VAL E 338	81.090 -24.422 -4.331	1.00 50.21	E	ATOM 17216 CG MET E 350	97.280 -18.987 -5.080	1.00108.19	E
	ATOM 17132 N LYS E 339	82.897 -24.770 -5.645	1.00 53.79	E	ATOM 17217 SD MET E 350	96.430 -17.774 -4.053	1.00108.19	E
	ATOM 17133 CA LYS E 339	83.890 -24.585 -4.597	1.00 51.67	E	ATOM 17218 CE MET E 350	96.608 -18.557 -2.420	1.00108.19	E
	ATOM 17134 CB LYS E 339	84.151 -25.907 -3.867	1.00140.15	E	ATOM 17219 C MET E 350	98.663 -20.066 -7.434	1.00125.25	E
30	ATOM 17135 CG LYS E 339	82.950 -26.421 -3.088	1.00108.46	E	ATOM 17220 O MET E 350	98.860 -19.618 -8.560	1.00121.68	E
	ATOM 17136 CD LYS E 339	82.888 -27.947 -3.048	1.00108.46	E	ATOM 17221 N THR E 351	97.736 -20.987 -7.174	1.00 84.05	E
	ATOM 17137 CE LYS E 339	81.584 -28.428 -2.411	1.00108.46	E	ATOM 17222 CA THR E 351	96.877 -21.538 -8.216	1.00 82.01	E
	ATOM 17138 NZ LYS E 339	81.389 -29.898 -2.532	1.00108.46	E	ATOM 17223 CB THR E 351	97.339 -22.967 -8.645	1.00103.76	E
	ATOM 17139 C LYS E 339	85.145 -24.131 -5.304	1.00 60.66	E	ATOM 17224 OG1 THR E 351	97.055 -23.158 -10.032	1.00 70.88	E
35	ATOM 17140 O LYS E 339	85.527 -24.708 -6.322	1.00 53.32	E	ATOM 17225 CG2 THR E 351	96.601 -24.052 -7.869	1.00 70.88	E
	ATOM 17141 N VAL E 340	85.773 -23.082 -4.791	1.00 55.81	E	ATOM 17226 C THR E 351	95.434 -21.609 -7.719	1.00 76.24	E
	ATOM 17142 CA VAL E 340	87.007 -22.577 -5.393	1.00 53.24	E	ATOM 17227 O THR E 351	95.172 -22.023 -6.591	1.00 67.83	E
	ATOM 17143 CB VAL E 340	86.976 -21.048 -5.572	1.00 50.51	E	ATOM 17228 N LEU E 352	94.497 -21.188 -8.557	1.00 59.43	E
	ATOM 17144 CG1 VAL E 340	88.292 -20.587 -6.166	1.00 35.97	E	ATOM 17229 CA LEU E 352	93.089 -21.235 -8.192	1.00 62.45	E

65251/C766

1	ATOM 17272 O ASN E 357	77.410 -30.131 -9.494	1.00 53.06	E	ATOM 17357 CB TRP E 368	89.174 -15.860 -13.674	1.00 81.21	E
	ATOM 17273 N SER E 358	78.324 -31.739 -10.823	1.00 55.67	E	ATOM 17358 CG TRP E 368	89.088 -17.321 -13.446	1.00 61.13	E
	ATOM 17274 CA SER E 358	77.100 -32.287 -11.386	1.00 62.97	E	ATOM 17359 CD2 TRP E 368	89.098 -17.988 -12.181	1.00 61.13	E
	ATOM 17275 CB SER E 358	76.605 -33.460 -10.522	1.00 63.22	E	ATOM 17360 CE2 TRP E 368	88.943 -19.369 -12.435	1.00 61.13	E
	ATOM 17276 OG SER E 358	76.183 -33.015 -9.260	1.00 61.56	E	ATOM 17361 CE3 TRP E 368	89.221 -17.554 -10.855	1.00 61.13	E
5	ATOM 17277 C SER E 358	75.969 -31.288 -11.664	1.00 67.69	E	ATOM 17362 CD1 TRP E 368	88.932 -18.291 -14.390	1.00 61.13	E
	ATOM 17278 O SER E 358	75.102 -31.022 -10.822	1.00 63.24	E	ATOM 17363 NE1 TRP E 368	88.845 -19.524 -13.793	1.00 61.13	E
	ATOM 17279 N PHE E 359	76.007 -30.756 -12.884	1.00 40.05	E	ATOM 17364 CZ2 TRP E 368	88.909 -20.324 -11.409	1.00 61.13	E
	ATOM 17280 CA PHE E 359	75.023 -29.800 -13.403	1.00 34.36	E	ATOM 17365 CZ3 TRP E 368	89.185 -18.506 -9.832	1.00 61.13	E
	ATOM 17281 CB PHE E 359	75.735 -28.492 -13.742	1.00 47.59	E	ATOM 17366 CH2 TRP E 368	89.031 -19.874 -10.117	1.00 61.13	E
10	ATOM 17282 CG PHE E 359	77.008 -28.677 -14.519	1.00 42.19	E	ATOM 17367 C TRP E 368	87.980 -13.669 -13.599	1.00 52.19	E
	ATOM 17283 CD1 PHE E 359	76.982 -28.846 -15.905	1.00 42.19	E	ATOM 17368 O TRP E 368	88.564 -13.096 -14.513	1.00 52.38	E
	ATOM 17284 CD2 PHE E 359	78.242 -28.645 -13.872	1.00 42.19	E	ATOM 17369 N ILE E 369	87.462 -13.029 -12.559	1.00 55.35	E
	ATOM 17285 CE1 PHE E 359	78.175 -28.973 -16.638	1.00 42.19	E	ATOM 17370 CA ILE E 369	87.535 -11.583 -12.433	1.00 56.72	E
	ATOM 17286 CE2 PHE E 359	79.436 -28.772 -14.596	1.00 42.19	E	ATOM 17371 CB ILE E 369	86.127 -10.985 -12.538	1.00 67.11	E
15	ATOM 17287 CZ PHE E 359	79.401 -28.934 -15.980	1.00 42.19	E	ATOM 17372 CG2 ILE E 369	86.194 -9.474 -12.496	1.00 44.79	E
	ATOM 17288 C PHE E 359	74.424 -30.427 -14.668	1.00 40.95	E	ATOM 17373 CG1 ILE E 369	85.471 -11.461 -13.834	1.00 44.79	E
	ATOM 17289 O PHE E 359	75.147 -31.126 -15.382	1.00 38.50	E	ATOM 17374 CD1 ILE E 369	84.023 -11.055 -13.969	1.00 44.79	E
	ATOM 17290 N TYR E 360	73.140 -30.219 -14.974	1.00 95.10	E	ATOM 17375 C ILE E 369	88.151 -11.164 -11.098	1.00 58.54	E
	ATOM 17291 CA TYR E 360	72.685 -30.882 -16.177	1.00 94.88	E	ATOM 17376 O ILE E 369	87.808 -11.720 -10.054	1.00 55.34	E
20	ATOM 17292 CB TYR E 360	71.196 -31.208 -16.244	1.00156.81	E	ATOM 17377 N GLU E 370	89.060 -10.190 -11.131	1.00 55.13	E
	ATOM 17293 CG TYR E 360	70.912 -31.684 -17.673	1.00 43.95	E	ATOM 17378 CA GLU E 370	89.691 -9.698 -9.907	1.00 57.78	E
	ATOM 17294 CD1 TYR E 360	71.758 -32.627 -18.291	1.00 43.95	E	ATOM 17379 CB GLU E 370	90.725 -8.627 -10.246	1.00114.38	E
	ATOM 17295 CE1 TYR E 360	71.629 -32.954 -19.639	1.00 43.95	E	ATOM 17380 CG GLU E 370	92.005 -9.227 -10.791	1.00 93.02	E
	ATOM 17296 CD2 TYR E 360	69.915 -31.099 -18.454	1.00 43.95	E	ATOM 17381 CD GLU E 370	92.950 -8.199 -11.378	1.00 93.02	E
25	ATOM 17297 CE2 TYR E 360	69.774 -31.427 -19.808	1.00 43.95	E	ATOM 17382 OE1 GLU E 370	93.207 -7.173 -10.713	1.00 93.02	E
	ATOM 17298 CZ TYR E 360	70.636 -32.351 -20.395	1.00 43.95	E	ATOM 17383 OE2 GLU E 370	93.448 -8.426 -12.504	1.00 93.02	E
	ATOM 17299 OH TYR E 360	70.505 -32.661 -21.740	1.00 43.95	E	ATOM 17384 C GLU E 370	88.591 -9.149 -8.998	1.00 57.96	E
	ATOM 17300 C TYR E 360	73.019 -30.270 -17.506	1.00 95.97	E	ATOM 17385 O GLU E 370	87.731 -8.388 -9.437	1.00 56.81	E
	ATOM 17301 O TYR E 360	73.967 -30.706 -18.138	1.00101.90	E	ATOM 17386 N SER E 371	88.612 -9.554 -7.733	1.00 60.29	E
30	ATOM 17302 N PRO E 361	72.235 -29.285 -17.974	1.00 63.39	E	ATOM 17387 CA SER E 371	87.586 -9.149 -6.773	1.00 60.83	E
	ATOM 17303 CD PRO E 361	71.431 -28.293 -17.237	1.00 43.77	E	ATOM 17388 CB SER E 371	87.863 -9.795 -5.413	1.00 87.61	E
	ATOM 17304 CA PRO E 361	72.664 -28.796 -19.295	1.00 58.98	E	ATOM 17389 OG SER E 371	89.148 -9.439 -4.943	1.00 76.69	E
	ATOM 17305 CB PRO E 361	71.883 -27.489 -19.465	1.00 43.01	E	ATOM 17390 C SER E 371	87.388 -7.650 -6.591	1.00 60.10	E
	ATOM 17306 CG PRO E 361	71.663 -27.030 -18.042	1.00 43.77	E	ATOM 17391 O SER E 371	86.312 -7.212 -6.167	1.00 61.04	E
35	ATOM 17307 C PRO E 361	74.188 -28.687 -19.215	1.00 66.38	E	ATOM 17392 N GLU E 372	88.415 -6.861 -6.902	1.00 61.38	E
	ATOM 17308 O PRO E 361	74.736 -27.926 -18.424	1.00 63.55	E	ATOM 17393 CA GLU E 372	88.308 -5.414 -6.747	1.00 59.93	E
	ATOM 17309 N PRO E 362	74.888 -29.533 -19.985	1.00 44.31	E	ATOM 17394 CB GLU E 372	89.581 -4.728 -7.231	1.00 97.63	E
	ATOM 17310 CD PRO E 362	74.267 -30.436 -20.972	1.00 34.92	E	ATOM 17395 CG GLU E 372	89.919 -5.042 -8.662	1.00 97.63	E
	ATOM 17311 CA PRO E 362	76.351 -29.623 -20.049	1.00 38.02	E	ATOM 17396 CD GLU E 372	90.964 -4.110 -9.237	1.00 97.63	E

65251/C766

1	ATOM 17442 C GLU E 377	79.463	-7.819	-4.512	1.00	66.68	E	ATOM 17527 CZ TYR E 386	80.232	-7.115	-12.873	1.00	52.22	E
	ATOM 17443 O GLU E 377	79.747	-7.531	-5.675	1.00	66.68	E	ATOM 17528 OH TYR E 386	79.157	-6.972	-12.025	1.00	52.22	E
	ATOM 17444 N TYR E 378	79.402	-9.078	-4.074	1.00	76.81	E	ATOM 17529 C TYR E 386	85.383	-6.853	-16.961	1.00	59.24	E
	ATOM 17445 CA TYR E 378	79.709	-10.197	-4.956	1.00	76.81	E	ATOM 17530 O TYR E 386	85.282	-7.636	-17.897	1.00	59.24	E
	ATOM 17446 CB TYR E 378	80.405	-11.309	-4.171	1.00	84.86	E	ATOM 17531 N PRO E 387	86.573	-6.386	-16.553	1.00	57.16	E
5	ATOM 17447 CG TYR E 378	81.786	-10.906	-3.735	1.00	84.86	E	ATOM 17532 CD PRO E 387	86.866	-5.271	-15.639	1.00	67.07	E
	ATOM 17448 CD1 TYR E 378	82.009	-10.351	-2.476	1.00	84.86	E	ATOM 17533 CA PRO E 387	87.799	-6.857	-17.220	1.00	57.16	E
	ATOM 17449 CE1 TYR E 378	83.274	-9.902	-2.101	1.00	84.86	E	ATOM 17534 CB PRO E 387	88.891	-6.059	-16.520	1.00	67.07	E
	ATOM 17450 CD2 TYR E 378	82.861	-11.007	-4.609	1.00	84.86	E	ATOM 17535 CG PRO E 387	88.189	-4.784	-16.161	1.00	67.07	E
	ATOM 17451 CE2 TYR E 378	84.124	-10.561	-4.251	1.00	84.86	E	ATOM 17536 C PRO E 387	87.817	-8.344	-16.825	1.00	57.16	E
10	ATOM 17452 CZ TYR E 378	84.326	-10.009	-2.996	1.00	84.86	E	ATOM 17537 O PRO E 387	87.383	-8.665	-15.717	1.00	57.16	E
	ATOM 17453 OH TYR E 378	85.582	-9.562	-2.643	1.00	84.86	E	ATOM 17538 N GLU E 388	88.306	-9.259	-17.660	1.00	92.02	E
	ATOM 17454 C TYR E 378	78.540	-10.757	-5.760	1.00	76.81	E	ATOM 17539 CA GLU E 388	88.188	-10.639	-17.214	1.00	92.02	E
	ATOM 17455 O TYR E 378	78.103	-11.896	-5.571	1.00	76.81	E	ATOM 17540 CB GLU E 388	86.918	-11.236	-17.816	1.00	101.85	E
	ATOM 17456 N LYS E 379	78.044	-9.921	-6.663	1.00	51.05	E	ATOM 17541 CG GLU E 388	86.985	-11.453	-19.308	1.00	101.85	E
15	ATOM 17457 CA LYS E 379	76.954	-10.263	-7.573	1.00	51.05	E	ATOM 17542 CD GLU E 388	85.838	-12.302	-19.810	1.00	101.85	E
	ATOM 17458 CB LYS E 379	75.660	-9.556	-7.184	1.00	89.00	E	ATOM 17543 OE1 GLU E 388	85.684	-13.440	-19.323	1.00	101.85	E
	ATOM 17459 CG LYS E 379	75.069	-10.017	-5.869	1.00	89.00	E	ATOM 17544 OE2 GLU E 388	85.089	-11.833	-20.689	1.00	101.85	E
	ATOM 17460 CD LYS E 379	73.795	-9.242	-5.559	1.00	89.00	E	ATOM 17545 C GLU E 388	89.269	-11.713	-17.279	1.00	92.02	E
	ATOM 17461 CE LYS E 379	73.260	-9.541	-4.160	1.00	89.00	E	ATOM 17546 O GLU E 388	88.932	-12.894	-17.217	1.00	92.02	E
20	ATOM 17462 NZ LYS E 379	72.117	-8.643	-3.818	1.00	89.00	E	ATOM 17547 N TRP E 389	90.545	-11.372	-17.380	1.00	102.91	E
	ATOM 17463 C LYS E 379	77.407	-9.775	-8.941	1.00	51.05	E	ATOM 17548 CA TRP E 389	91.546	-12.445	-17.397	1.00	102.91	E
	ATOM 17464 O LYS E 379	77.998	-8.703	-9.059	1.00	51.05	E	ATOM 17549 CB TRP E 389	91.606	-13.130	-16.025	1.00	115.38	E
	ATOM 17465 N TYR E 380	77.166	-10.578	-9.970	1.00	43.71	E	ATOM 17550 CG TRP E 389	92.679	-12.662	-15.103	1.00	115.38	E
	ATOM 17466 CA TYR E 380	77.558	-10.220	-11.332	1.00	43.71	E	ATOM 17551 CD2 TRP E 389	93.759	-11.763	-15.403	1.00	115.38	E
25	ATOM 17467 CB TYR E 380	77.842	-11.481	-12.138	1.00	46.60	E	ATOM 17552 CE2 TRP E 389	94.537	-11.642	-14.232	1.00	115.38	E
	ATOM 17468 CG TYR E 380	78.359	-11.210	-13.520	1.00	46.60	E	ATOM 17553 CE3 TRP E 389	94.146	-11.048	-16.549	1.00	115.38	E
	ATOM 17469 CD1 TYR E 380	79.724	-11.027	-13.754	1.00	46.60	E	ATOM 17554 CD1 TRP E 389	92.844	-13.036	-13.803	1.00	115.38	E
	ATOM 17470 CE1 TYR E 380	80.208	-10.782	-15.036	1.00	46.60	E	ATOM 17555 NE1 TRP E 389	93.955	-12.429	-13.272	1.00	115.38	E
	ATOM 17471 CD2 TYR E 380	77.485	-11.138	-14.604	1.00	46.60	E	ATOM 17556 CZ2 TRP E 389	95.682	-10.835	-14.171	1.00	115.38	E
30	ATOM 17472 CE2 TYR E 380	77.957	-10.890	-15.887	1.00	46.60	E	ATOM 17557 CZ3 TRP E 389	95.286	-10.246	-16.487	1.00	115.38	E
	ATOM 17473 CZ TYR E 380	79.318	-10.714	-16.097	1.00	46.60	E	ATOM 17558 CH2 TRP E 389	96.039	-10.148	-15.305	1.00	115.38	E
	ATOM 17474 OH TYR E 380	79.784	-10.479	-17.371	1.00	46.60	E	ATOM 17559 C TRP E 389	91.222	-13.518	-18.437	1.00	102.91	E
	ATOM 17475 C TYR E 380	76.384	-9.469	-11.940	1.00	43.71	E	ATOM 17560 O TRP E 389	90.831	-14.628	-18.079	1.00	102.91	E
	ATOM 17476 O TYR E 380	75.333	-10.058	-12.189	1.00	43.71	E	ATOM 17561 N GLY E 390	91.391	-13.198	-19.714	1.00	86.11	E
35	ATOM 17477 N VAL E 381	76.555	-8.172	-12.159	1.00	52.04	E	ATOM 17562 CA GLY E 390	91.098	-14.167	-20.756	1.00	86.11	E
	ATOM 17478 CA VAL E 381	75.483	-7.349	-12.710	1.00	52.04	E	ATOM 17563 C GLY E 390	91.983	-15.402	-20.737	1.00	86.11	E
	ATOM 17479 CB VAL E 381	75.684	-5.869	-12.352	1.00	61.67	E	ATOM 17564 O GLY E 390	93.107	-15.368	-20.237	1.00	86.11	E
	ATOM 17480 CG1 VAL E 381	74.509	-5.052	-12.843	1.00	61.67	E	ATOM 17565 N ARG E 391	91.460	-16.501	-21.274	1.00	98.53	E
	ATOM 17481 CG2 VAL E 381	75.840	-5.728	-10.857	1.00	61.67	E	ATOM 17566 CA ARG E 391	92.199	-17.758	-21.349	1.00	98.53	E
40	ATOM 17482 C VAL E 381	75.421	-7.494	-14.222	1.00	52.04	E	ATOM 17567 CB ARG E 391	91.229	-18.943	-21.246	1.00	97.07	E
	ATOM 17483 O VAL E 381	76.392	-7.188	-14.922	1.00	52.04	E	ATOM 17568 CG ARG E 391	90.398	-18.979	-19.954	1.00	97.07	E
	ATOM 17484 N ASN E 382	74.268	-7.932	-14.718	1.00	83.06	E	ATOM 17569 CD ARG E 391	91.008	-19.880	-18.863	1.00	97.07	E
	ATOM 17485 CA ASN E 382	74.084	-8.168	-16.141	1.00	83.06	E	ATOM 17570 NE ARG E 391	90.525	-21.265	-18.913	1.00	97.07	E
	ATOM 17486 CB ASN E 382	72.611	-8.192	-16.496	1.00	48.50	E	ATOM 17571 CZ ARG E 391	90.940	-22.189	-19.783	1.00	97.07	E
45	ATOM 17487 CG ASN E 382	72.337	-9.031	-17.739	1.00	48.50	E	ATOM 17572 NH1 ARG E 391	91.863	-21.892	-20.692	1.00	97.07	E
	ATOM 17488 OD1 ASN E 382	73.171	-9.118	-18.650	1.00	48.50	E	ATOM 17573 NH2 ARG E 391	90.423	-23.412	-19.753	1.00	97.07	E
	ATOM 17489 ND2 ASN E 382	71.161	-9.648	-17.784	1.00	48.50	E	ATOM 17574 C ARG E 391	92.906	-17.760	-22.707	1.00	98.53	E
	ATOM 17490 C ASN E 382	74.788	-7.221	-17.101	1.00	83.06	E	ATOM 17575 O ARG E 391	92.601	-16.933	-23.563	1.00	98.53	E
	ATOM 17491 O ASN E 382	75.858	-7.544	-17.638	1.00	83.06	E	ATOM 17576 N LYS E 392	93.855	-18.668	-22.905	1.00	76.10	E
50	ATOM 17492 N GLY E 383	74.200	-6.056	-17.339	1.00	43.58	E	ATOM 17577 CA LYS E 392	94.566	-18.732	-24.179	1.00	76.10	E
	ATOM 17493 CA GLY E 383	74.835	-5.142	-18.278	1.00	43.58	E	ATOM 17578 CB LYS E 392	96.079	-18.714	-23.944	1.00	107.64	E
	ATOM 17494 C GLY E 383	76.160	-4.485	-17.898	1.00	43.58	E	ATOM 17579 CG LYS E 392	96.888	-18.762	-25.232	1.00	107.64	E
	ATOM 17495 O GLY E 383	76.702	-3.713	-18.686	1.00	43.58	E	ATOM 17580 CD LYS E 392	98.366	-18.980	-24.966	1.00	107.64	E
	ATOM 17496 N ARG E 384	76.698	-4.779	-16.719	1.00	50.80	E	ATOM 17581 CE LYS E 392	99.126	-19.193	-26.272	1.00	107.64	E
55	ATOM 17497 CA ARG E 384	77.939	-4.143	-16.292	1.00	50.80	E	ATOM 17582 NZ LYS E 392	100.546	-19.583	-26.035	1.00	107.64	E
	ATOM 17498 CB ARG E 384	78.090	-4.287	-14.780	1.00	54.51	E	ATOM 17583 C LYS E 392	94.184	-19.986	-24.980	1.00	76.10	E
	ATOM 17499 CG ARG E 384	79.240	-3.501	-14.179	1.00	54.51	E	ATOM 17584 O LYS E 392	94.456	-21.113	-24.558	1.00	76.10	E
	ATOM 17500 CD ARG E 384	79.059	-3.408	-12.677	1.00	54.51	E	ATOM 17585 N SER E 393	93.554	-19.778	-26.137	1.00	70.08	E
	ATOM 17501 NE ARG E 384	77.788	-2.770	-12.348	1.00	54.51	E	ATOM 17586 CA SER E 393	93.125	-20.877	-26.999	1.00	70.08	E
60	ATOM 17502 CZ ARG E 384	77.270	-2.702	-11.126	1.00	54.51	E	ATOM 17587 CB SER E 393	91.880	-21.553	-26.416	1.00	73.14	E
	ATOM 17503 NH1 ARG E 384	77.916	-3.237	-10.096	1.00	54.51	E	ATOM 17588 OG SER E 393	91.403	-22.575	-27.278	1.00	73.14	E
	ATOM 17504 NH2 ARG E 384	76.101	-2.102	-10.930	1.00	54.51	E	ATOM 17589 C SER E 393	92.801	-20.353	-28.386	1.00	70.08	E
	ATOM 17505 C ARG E 384	79.185	-4.664	-16.987	1.00	50.80	E	ATOM 17590 O SER E 393	92.531	-19.167	-28.550	1.00	70.08	E
	ATOM 17506 O ARG E 384	79.253	-5.828	-17.370	1.00	50.80	E	ATOM 17591 N ASN E 394	92.834	-21.230	-29.385	1.00	58.81	E
65	ATOM 17507 N TYR E 385	80.169	-3.788	-17.150	1.00	55.11	E	ATOM 17592 CA ASN E 394	92.509	-20.814	-30.743	1.00	58.81	E
	ATOM 17508 CA TYR E 385	81.422	-4.163	-17.783	1.00	55.11	E	ATOM 17593 CB ASN E 394	93.012	-21.826	-31.759	1.00	71.26	E
	ATOM 17509 CB TYR E 385	82.067	-2.944	-18.428	1.00	67								

65251/C766

1	ATOM 17608 OH TYR E 395	89.361 -26.804 -33.086	1.00 50.72	E	ATOM 17693 CB ILE E 406	83.054 -30.828 -19.134	1.00 68.01	E
	ATOM 17609 C TYR E 395	88.413 -20.148 -28.921	1.00 46.76	E	ATOM 17694 CG2 ILE E 406	81.701 -31.318 -18.621	1.00 55.63	E
	ATOM 17610 O TYR E 395	89.149 -19.820 -27.992	1.00 46.76	E	ATOM 17695 CG1 ILE E 406	83.122 -29.311 -19.041	1.00 55.63	E
	ATOM 17611 N GLU E 396	87.213 -19.606 -29.124	1.00 52.00	E	ATOM 17696 CD1 ILE E 406	82.006 -28.601 -19.777	1.00 55.63	E
	ATOM 17612 CA GLU E 396	86.654 -18.598 -28.228	1.00 52.00	E	ATOM 17697 C ILE E 406	84.186 -32.941 -18.530	1.00 53.33	E
5	ATOM 17613 CB GLU E 396	85.956 -17.498 -29.025	1.00105.94	E	ATOM 17698 O ILE E 406	84.762 -33.414 -19.508	1.00 48.43	E
	ATOM 17614 CG GLU E 396	86.772 -16.933 -30.162	1.00105.94	E	ATOM 17699 N LYS E 407	83.551 -33.679 -17.622	1.00 52.82	E
	ATOM 17615 CD GLU E 396	85.947 -16.048 -31.072	1.00105.94	E	ATOM 17700 CA LYS E 407	83.437 -35.128 -17.749	1.00 48.42	E
	ATOM 17616 OE1 GLU E 396	84.881 -16.510 -31.540	1.00105.94	E	ATOM 17701 CB LYS E 407	84.443 -35.855 -16.863	1.00100.03	E
	ATOM 17617 OE2 GLU E 396	86.360 -14.898 -31.327	1.00105.94	E	ATOM 17702 CG LYS E 407	85.886 -35.601 -17.222	1.00 86.13	E
10	ATOM 17618 C GLU E 396	85.624 -19.333 -27.371	1.00 52.00	E	ATOM 17703 CD LYS E 407	86.799 -36.512 -16.421	1.00 86.13	E
	ATOM 17619 O GLU E 396	84.912 -20.206 -27.870	1.00 52.00	E	ATOM 17704 CE LYS E 407	88.274 -36.169 -16.632	1.00 86.13	E
	ATOM 17620 N PRO E 397	85.546 -19.016 -26.068	1.00 45.74	E	ATOM 17705 NZ LYS E 407	88.630 -34.835 -16.066	1.00 86.13	E
	ATOM 17621 CD PRO E 397	86.251 -17.986 -25.296	1.00 41.29	E	ATOM 17706 C LYS E 407	82.041 -35.458 -17.285	1.00 57.73	E
	ATOM 17622 CA PRO E 397	84.557 -19.708 -25.235	1.00 45.74	E	ATOM 17707 O LYS E 407	81.553 -34.836 -16.344	1.00 56.67	E
15	ATOM 17623 CB PRO E 397	84.652 -18.980 -23.888	1.00 41.29	E	ATOM 17708 N LYS E 408	81.378 -36.397 -17.959	1.00 61.97	E
	ATOM 17624 CG PRO E 397	85.225 -17.640 -24.251	1.00 41.29	E	ATOM 17709 CA LYS E 408	80.038 -36.779 -17.541	1.00 61.56	E
	ATOM 17625 C PRO E 397	83.183 -19.604 -25.885	1.00 45.74	E	ATOM 17710 CB LYS E 408	79.341 -37.589 -18.625	1.00 61.09	E
	ATOM 17626 O PRO E 397	82.788 -18.534 -26.359	1.00 45.74	E	ATOM 17711 CG LYS E 408	77.900 -37.899 -18.295	1.00 59.89	E
	ATOM 17627 N GLY E 398	82.475 -20.730 -25.924	1.00 44.55	E	ATOM 17712 CD LYS E 408	77.185 -38.443 -19.505	1.00 59.89	E
20	ATOM 17628 CA GLY E 398	81.172 -20.772 -26.559	1.00 44.55	E	ATOM 17713 CE LYS E 408	75.713 -38.663 -19.226	1.00 59.89	E
	ATOM 17629 C GLY E 398	81.244 -21.747 -27.719	1.00 44.55	E	ATOM 17714 NZ LYS E 408	74.979 -39.085 -20.453	1.00 59.89	E
	ATOM 17630 O GLY E 398	80.313 -22.513 -27.944	1.00 44.55	E	ATOM 17715 C LYS E 408	80.273 -37.629 -16.310	1.00 61.69	E
	ATOM 17631 N GLU E 399	82.350 -21.715 -28.460	1.00 41.08	E	ATOM 17716 O LYS E 408	80.787 -38.731 -16.405	1.00 60.26	E
	ATOM 17632 CA GLU E 399	82.556 -22.628 -29.593	1.00 41.08	E	ATOM 17717 N ASP E 409	79.929 -37.119 -15.142	1.00 67.28	E
25	ATOM 17633 CB GLU E 399	83.781 -22.202 -30.430	1.00 47.90	E	ATOM 17718 CA ASP E 409	80.183 -37.893 -13.946	1.00 67.46	E
	ATOM 17634 CG GLU E 399	83.745 -20.762 -30.905	1.00 47.90	E	ATOM 17719 CB ASP E 409	79.944 -37.050 -12.675	1.00 88.94	E
	ATOM 17635 CD GLU E 399	84.936 -20.365 -31.772	1.00 47.90	E	ATOM 17720 CG ASP E 409	78.643 -36.270 -12.706	1.00 81.76	E
	ATOM 17636 OE1 GLU E 399	86.076 -20.732 -31.437	1.00 47.90	E	ATOM 17721 OD1 ASP E 409	77.602 -36.860 -13.059	1.00 81.76	E
	ATOM 17637 OE2 GLU E 399	84.740 -19.659 -32.786	1.00 47.90	E	ATOM 17722 OD2 ASP E 409	78.665 -35.070 -12.358	1.00 81.76	E
30	ATOM 17638 C GLU E 399	82.810 -24.012 -28.989	1.00 41.08	E	ATOM 17723 C ASP E 409	79.417 -39.212 -13.891	1.00 67.37	E
	ATOM 17639 O GLU E 399	83.540 -24.142 -28.011	1.00 41.08	E	ATOM 17724 O LYS E 409	78.466 -39.420 -14.648	1.00 71.10	E
	ATOM 17640 N PRO E 400	82.205 -25.065 -29.545	1.00 61.72	E	ATOM 17725 N ASP E 410	79.883 -40.094 -13.001	1.00124.91	E
	ATOM 17641 CD PRO E 400	81.244 -25.177 -30.650	1.00 44.24	E	ATOM 17726 CA LYS E 410	79.338 -41.433 -12.757	1.00131.35	E
	ATOM 17642 CA PRO E 400	82.467 -26.375 -28.943	1.00 56.80	E	ATOM 17727 CB LYS E 410	79.487 -41.796 -11.276	1.00180.14	E
35	ATOM 17643 CB PRO E 400	81.652 -27.340 -29.821	1.00 92.85	E	ATOM 17728 CG LYS E 410	78.612 -40.977 -10.322	1.00119.59	E
	ATOM 17644 CG PRO E 400	81.443 -26.609 -31.089	1.00 44.24	E	ATOM 17729 CD LYS E 410	79.091 -39.532 -10.174	1.00119.59	E
	ATOM 17645 C PRO E 400	83.946 -26.756 -28.837	1.00 47.55	E	ATOM 17730 CE LYS E 410	78.166 -38.728 -9.260	1.00119.59	E
	ATOM 17646 O PRO E 400	84.319 -27.602 -28.033	1.00 47.76	E	ATOM 17731 NZ LYS E 410	78.610 -37.310 -9.092	1.00119.59	E
	ATOM 17647 N GLY E 401	84.794 -26.105 -29.621	1.00 50.80	E	ATOM 17732 C LYS E 410	77.887 -41.629 -13.161	1.00130.17	E
40	ATOM 17648 CA GLY E 401	86.209 -26.421 -29.575	1.00 50.36	E	ATOM 17733 O LYS E 410	77.111 -40.680 -13.198	1.00129.70	E
	ATOM 17649 C GLY E 401	86.959 -25.889 -28.365	1.00 50.15	E	ATOM 17734 N ASP E 411	77.527 -42.879 -13.432	1.00 78.35	E
	ATOM 17650 O GLY E 401	88.125 -26.225 -28.169	1.00 50.86	E	ATOM 17735 CA ASP E 411	76.171 -43.240 -13.852	1.00 75.86	E
	ATOM 17651 N PHE E 402	86.315 -25.056 -27.551	1.00 58.01	E	ATOM 17736 CB ASP E 411	75.774 -44.598 -13.269	1.00145.28	E
	ATOM 17652 CA PHE E 402	86.983 -24.509 -26.376	1.00 58.01	E	ATOM 17737 CG ASP E 411	76.184 -45.754 -14.159	1.00145.28	E
45	ATOM 17653 CB PHE E 402	86.157 -23.389 -25.754	1.00156.51	E	ATOM 17738 OD1 ASP E 411	75.856 -45.725 -15.366	1.00145.28	E
	ATOM 17654 CG PHE E 402	86.965 -22.482 -24.894	1.00 54.84	E	ATOM 17739 OD2 ASP E 411	76.828 -46.695 -13.655	1.00145.28	E
	ATOM 17655 CD1 PHE E 402	87.811 -21.534 -25.473	1.00 54.84	E	ATOM 17740 C ASP E 411	75.085 -42.219 -13.527	1.00 77.47	E
	ATOM 17656 CD2 PHE E 402	86.947 -22.617 -23.516	1.00 54.84	E	ATOM 17741 O ASP E 411	74.385 -42.336 -12.521	1.00 81.65	E
	ATOM 17657 CE1 PHE E 402	88.632 -20.738 -24.694	1.00 54.84	E	ATOM 17742 N ALA E 412	74.944 -41.229 -14.406	1.00 82.41	E
50	ATOM 17658 CE2 PHE E 402	87.761 -21.829 -22.722	1.00 54.84	E	ATOM 17743 CA ALA E 412	73.958 -40.172 -14.240	1.00 95.43	E
	ATOM 17659 CZ PHE E 402	88.611 -20.883 -23.314	1.00 54.84	E	ATOM 17744 CB ALA E 412	74.323 -39.309 -13.041	1.00 51.80	E
	ATOM 17660 C PHE E 402	87.230 -25.602 -25.332	1.00 58.01	E	ATOM 17745 C ALA E 412	73.906 -39.323 -15.505	1.00 90.13	E
	ATOM 17661 O PHE E 402	86.312 -26.330 -24.956	1.00 58.01	E	ATOM 17746 O ALA E 412	74.717 -39.500 -16.416	1.00 85.18	E
	ATOM 17662 N PRO E 403	88.477 -25.722 -24.842	1.00 78.16	E	ATOM 17747 N ASN E 413	72.950 -38.401 -15.554	1.00 72.38	E
55	ATOM 17663 CD PRO E 403	89.612 -24.874 -25.224	1.00 51.43	E	ATOM 17748 CA ASN E 413	72.792 -37.528 -16.711	1.00 65.19	E
	ATOM 17664 CA PRO E 403	88.910 -26.708 -23.847	1.00 78.16	E	ATOM 17749 CB ASN E 413	71.321 -37.177 -16.901	1.00 64.39	E
	ATOM 17665 CB PRO E 403	90.427 -26.544 -23.819	1.00156.26	E	ATOM 17750 CG ASN E 413	70.470 -38.388 -17.168	1.00 64.39	E
	ATOM 17666 CG PRO E 403	90.742 -25.823 -25.070	1.00 51.43	E	ATOM 17751 OD1 ASN E 413	70.850 -39.264 -17.953	1.00 64.39	E
	ATOM 17667 C PRO E 403	88.334 -26.495 -22.462	1.00 78.16	E	ATOM 17752 ND2 ASN E 413	69.302 -38.443 -16.532	1.00 64.39	E
60	ATOM 17668 O PRO E 403	88.799 -25.640 -21.721	1.00 78.16	E	ATOM 17753 C ASN E 413	73.571 -36.243 -16.552	1.00 69.77	E
	ATOM 17669 N TRP E 404	87.315 -27.258 -22.112	1.00 55.96	E	ATOM 17754 O ASN E 413	73.768 -35.500 -17.501	1.00 69.46	E
	ATOM 17670 CA TRP E 404	86.735 -27.155 -20.786	1.00 55.96	E	ATOM 17755 N THR E 414	74.024 -36.003 -15.337	1.00 45.86	E
	ATOM 17671 CB TRP E 404	85.235 -26.830 -20.838	1.00 67.11	E	ATOM 17756 CA THR E 414	74.731 -34.789 -14.999	1.00 48.90	E
	ATOM 17672 CG TRP E 404	84.893 -25.404 -21.171	1.00 60.35	E	ATOM 17757 CB THR E 414	74.543 -34.524 -13.506	1.00 86.43	E
65	ATOM 17673 CD2 TRP E 404	85.237 -24.232 -20.420	1.00 60.35	E	ATOM 17758 OG1 THR E 414	75.238 -33.339 -13.150	1.00 56.92	E
	ATOM 17674 CE2 TRP E 404	84.679 -23.126 -21.094	1.00 60.35	E	ATOM 17759 CG2 THR E 414	75.056 -35.681 -12.689	1.00 56.92	E
	ATOM 17675 CE3 TRP E 404	85.962 -24.007 -19.240	1.00 60.35	E	ATOM 17760 C THR E 414	76.213 -34.768 -15.387	1.00 48.36	E
	ATOM 17676 CD1 TRP E 404	84.164 -24.970 -22.238	1.00 60.35	E	ATOM 17761 O THR E 414	76.774 -35.797 -15.731	1.00 49.43	E
	ATOM 17677 NE1 TRP E 404	84.030 -23.608 -22.201	1.00 60.35	E	ATOM 17762 N TYR E 415	76.826 -33.582 -15.354	1.00 48.07	E
70	ATOM 17678 CZ2 TRP E 404	84.824 -21.807 -20.629	1.00 60.35	E	ATOM 17763 CA TYR E 415	78.237 -33.397 -15.719	1.00 49.10	E
	ATOM 17679 CZ3 TRP E 404	86.105 -22.689 -18.778	1.00 60.35	E	ATOM 17764 CB TYR E 415	78.376 -32.625 -17.040	1.00 66.06	E
	ATOM 17680 CH2 TRP E 404	85.538 -21.613 -19.474	1.00 60.35	E	ATOM 17765 CG TYR E 415	77.859 -33.341 -18.261	1.00 33.00	E
	ATOM 17681 C TRP E 404	86.928 -28.536 -20.191	1.00 55.96	E	ATOM 17766 CD1 TYR E 415	76.494 -33.553 -18.447	1.00 33.00	E
	ATOM 17682 O TRP E 404	86.622 -29.534 -20.836	1.00 55.96	E	ATOM 17767 CE1 TYR E 415	76.018 -34.229 -19.561	1.00 33.00	E
75	ATOM 17683 N ASN E 405	87.439 -28.605 -18.969	1.00 52.92	E	ATOM 17768 CD2 TYR E 415	78.740 -33.826 -19.229	1.00 33.00	E
	ATOM 17684 CA ASN E 405	87.646 -29.895 -18.334	1.00 52.95	E	ATOM 17769 CE2 TYR E 415	78.268 -34.510 -20.355	1.00 33.00	E
	ATOM 17685 CB ASN E 405	88.666 -29.765 -17.213	1.00 89.79	E	ATOM 17770 CZ TYR E 415	76.909 -34.706 -20.509	1.00 33.00	E
	ATOM 17686 CG ASN E 405	89.314 -31.071 -16.885	1.00 89.79	E	ATOM 17771 OH TYR E 415	76.445 -35.390 -21.605	1.00 33.00	E
	ATOM 17687 OD1 ASN E 405	88.699 -31.956 -16.294	1.00 89.79	E	ATOM 17772 C TYR E 4			

65251/C766

1	ATOM 17776 CB SER E 416	81.704 -32.924 -12.695	1.00 65.39	E	ATOM 17861 CG MET E 427	96.741 -11.329 -9.768	1.00143.86	E
	ATOM 17777 OG SER E 416	80.681 -33.274 -11.791	1.00 41.77	E	ATOM 17862 SD MET E 427	95.545 -12.634 -9.485	1.00143.86	E
	ATOM 17778 C SER E 416	82.313 -31.296 -14.458	1.00 42.94	E	ATOM 17863 CE MET E 427	95.674 -13.557 -11.031	1.00143.86	E
	ATOM 17779 O SER E 416	82.787 -31.774 -15.495	1.00 41.31	E	ATOM 17864 C MET E 427	97.346 -8.258 -9.735	1.00157.39	E
	ATOM 17780 N LEU E 417	82.761 -30.184 -13.884	1.00 47.44	E	ATOM 17865 O MET E 427	98.452 -7.808 -9.437	1.00157.39	E
	ATOM 17781 CA LEU E 417	83.832 -29.383 -14.463	1.00 46.34	E	ATOM 17866 N SER E 428	96.251 -8.029 -9.016	1.00127.74	E
	ATOM 17782 CB LEU E 417	83.222 -28.146 -15.125	1.00 98.23	E	ATOM 17867 CA SER E 428	96.288 -7.206 -7.815	1.00129.39	E
	ATOM 17783 CG LEU E 417	84.130 -26.920 -15.223	1.00 56.34	E	ATOM 17868 CB SER E 428	96.570 -5.750 -8.194	1.00103.06	E
	ATOM 17784 CD1 LEU E 417	85.099 -27.100 -16.371	1.00 56.34	E	ATOM 17869 OG SER E 428	95.531 -5.226 -9.006	1.00 99.77	E
5	ATOM 17785 CD2 LEU E 417	83.300 -25.681 -15.426	1.00 56.34	E	ATOM 17870 C SER E 428	94.992 -7.271 -7.007	1.00125.34	E
	ATOM 17786 C LEU E 417	84.886 -28.928 -13.455	1.00 57.85	E	ATOM 17871 O SER E 428	94.622 -6.300 -6.349	1.00125.22	E
	ATOM 17787 O LEU E 417	84.602 -28.725 -12.269	1.00 52.95	E	ATOM 17872 N SER E 429	94.303 -8.408 -7.050	1.00134.96	E
	ATOM 17788 N THR E 418	86.102 -28.747 -13.951	1.00 42.48	E	ATOM 17873 CA SER E 429	93.055 -8.558 -6.305	1.00133.63	E
	ATOM 17789 CA THR E 418	87.211 -28.290 -13.130	1.00 35.54	E	ATOM 17874 CB SER E 429	91.911 -7.844 -7.030	1.00 92.18	E
	ATOM 17790 CB THR E 418	88.145 -29.452 -12.765	1.00 74.00	E	ATOM 17875 OG SER E 429	92.132 -6.451 -7.108	1.00 92.18	E
	ATOM 17791 OG1 THR E 418	87.493 -30.311 -11.824	1.00 42.41	E	ATOM 17876 C SER E 429	92.658 -10.013 -6.090	1.00132.01	E
	ATOM 17792 CG2 THR E 418	89.437 -28.928 -12.164	1.00 42.41	E	ATOM 17877 O SER E 429	91.729 -10.305 -5.338	1.00120.71	E
	ATOM 17793 C THR E 418	88.006 -27.261 -13.917	1.00 50.73	E	ATOM 17878 N GLN E 430	93.366 -10.925 -6.742	1.00 78.17	E
	ATOM 17794 O THR E 418	88.588 -27.590 -14.942	1.00 44.20	E	ATOM 17879 CA GLN E 430	93.043 -12.345 -6.636	1.00 78.17	E
	ATOM 17795 N ASP E 419	88.031 -26.017 -13.458	1.00 47.32	E	ATOM 17880 CB GLN E 430	93.019 -12.812 -5.185	1.00156.27	E
10	ATOM 17796 CA ASP E 419	88.778 -24.987 -14.173	1.00 52.43	E	ATOM 17881 CG GLN E 430	92.755 -14.291 -5.080	1.00 85.26	E
	ATOM 17797 CB ASP E 419	87.848 -23.857 -14.605	1.00 95.00	E	ATOM 17882 CD GLN E 430	92.682 -14.769 -3.659	1.00 85.26	E
	ATOM 17798 CG ASP E 419	88.490 -22.950 -15.619	1.00 72.59	E	ATOM 17883 OE1 GLN E 430	91.743 -14.446 -2.932	1.00 85.26	E
	ATOM 17799 OD1 ASP E 419	89.072 -23.469 -16.591	1.00 72.59	E	ATOM 17884 NE2 GLN E 430	93.681 -15.544 -3.244	1.00 85.26	E
	ATOM 17800 OD2 ASP E 419	88.417 -21.721 -15.458	1.00 72.59	E	ATOM 17885 C GLN E 430	91.669 -12.560 -7.265	1.00 78.17	E
	ATOM 17801 C ASP E 419	89.898 -24.448 -13.298	1.00 56.52	E	ATOM 17886 O GLN E 430	90.645 -12.127 -6.736	1.00 78.17	E
	ATOM 17802 O ASP E 419	89.658 -23.988 -12.178	1.00 51.41	E	ATOM 17887 N PRO E 431	91.632 -13.260 -8.401	1.00 53.33	E
	ATOM 17803 N LEU E 420	91.125 -24.507 -13.809	1.00 57.17	E	ATOM 17888 CD PRO E 431	92.687 -14.113 -8.979	1.00 51.75	E
	ATOM 17804 CA LEU E 420	92.298 -24.052 -13.065	1.00 61.86	E	ATOM 17889 CA PRO E 431	90.364 -13.495 -9.068	1.00 53.32	E
	ATOM 17805 CB LEU E 420	93.396 -25.106 -13.174	1.00115.36	E	ATOM 17890 CB PRO E 431	90.776 -14.281 -10.305	1.00150.71	E
	ATOM 17806 CG LEU E 420	94.494 -25.083 -12.118	1.00 74.31	E	ATOM 17891 CG PRO E 431	91.893 -15.107 -9.792	1.00121.27	E
	ATOM 17807 CD1 LEU E 420	93.888 -25.412 -10.771	1.00 74.31	E	ATOM 17892 C PRO E 431	89.361 -14.237 -8.231	1.00 49.94	E
15	ATOM 17808 CD2 LEU E 420	95.577 -26.093 -12.482	1.00 74.31	E	ATOM 17893 O PRO E 431	89.703 -14.928 -7.277	1.00 49.82	E
	ATOM 17809 C LEU E 420	92.824 -22.703 -13.568	1.00 64.43	E	ATOM 17894 N VAL E 432	88.108 -14.057 -8.613	1.00 47.92	E
	ATOM 17810 O LEU E 420	92.633 -22.347 -14.730	1.00 63.75	E	ATOM 17895 CA VAL E 432	86.984 -14.714 -7.994	1.00 50.30	E
	ATOM 17811 N VAL E 421	93.485 -21.951 -12.691	1.00 68.91	E	ATOM 17896 CB VAL E 432	85.996 -13.682 -7.453	1.00 84.96	E
	ATOM 17812 CA VAL E 421	94.034 -20.646 -13.063	1.00 67.42	E	ATOM 17897 CG1 VAL E 432	85.477 -12.820 -8.570	1.00 57.04	E
	ATOM 17813 CB VAL E 421	93.057 -19.511 -12.706	1.00101.25	E	ATOM 17898 CG2 VAL E 432	84.870 -14.371 -6.777	1.00 57.04	E
	ATOM 17814 CG1 VAL E 421	93.692 -18.163 -12.969	1.00 56.68	E	ATOM 17899 C VAL E 432	86.382 -15.498 -9.171	1.00 48.30	E
	ATOM 17815 CG2 VAL E 421	91.817 -19.644 -13.534	1.00 56.68	E	ATOM 17900 O VAL E 432	86.507 -15.086 -10.323	1.00 38.66	E
	ATOM 17816 C VAL E 421	95.379 -20.358 -12.399	1.00 69.68	E	ATOM 17901 N CYS E 433	85.748 -16.630 -8.909	1.00 59.05	E
	ATOM 17817 O VAL E 421	95.552 -20.593 -11.211	1.00 65.28	E	ATOM 17902 CA CYS E 433	85.196 -17.415 -10.004	1.00 54.93	E
20	ATOM 17818 N ARG E 422	96.322 -19.840 -13.184	1.00 85.55	E	ATOM 17903 C CYS E 433	83.732 -17.102 -10.258	1.00 52.57	E
	ATOM 17819 CA ARG E 422	97.664 -19.505 -12.705	1.00 87.68	E	ATOM 17904 O CYS E 433	82.908 -17.193 -9.348	1.00 53.31	E
	ATOM 17820 CB ARG E 422	98.633 -19.484 -13.886	1.00149.51	E	ATOM 17905 CB CYS E 433	85.369 -18.912 -9.710	1.00146.01	E
	ATOM 17821 CG ARG E 422	99.844 -20.380 -13.730	1.00110.10	E	ATOM 17906 SG CYS E 433	84.854 -20.030 -11.057	1.00 93.12	E
	ATOM 17822 CD ARG E 422	100.894 -19.772 -12.824	1.00110.10	E	ATOM 17907 N VAL E 434	83.415 -16.707 -11.490	1.00 48.05	E
	ATOM 17823 NE ARG E 422	102.110 -20.582 -12.813	1.00110.10	E	ATOM 17908 CA VAL E 434	82.029 -16.432 -11.873	1.00 44.04	E
	ATOM 17824 CZ ARG E 422	103.252 -20.213 -12.241	1.00110.10	E	ATOM 17909 CB VAL E 434	81.890 -15.113 -12.650	1.00 57.28	E
	ATOM 17825 NH1 ARG E 422	103.341 -19.041 -11.626	1.00110.10	E	ATOM 17910 CG1 VAL E 434	80.424 -14.793 -12.839	1.00 39.06	E
	ATOM 17826 NH2 ARG E 422	104.308 -21.013 -12.290	1.00110.10	E	ATOM 17911 CG2 VAL E 434	82.564 -13.990 -11.908	1.00 39.06	E
	ATOM 17827 C ARG E 422	97.644 -18.134 -12.047	1.00 84.91	E	ATOM 17912 C VAL E 434	81.568 -17.580 -12.775	1.00 54.44	E
	ATOM 17828 O ARG E 422	97.664 -17.118 -12.736	1.00 75.58	E	ATOM 17913 O VAL E 434	82.129 -17.807 -13.849	1.00 45.50	E
	ATOM 17829 N THR E 423	97.606 -18.106 -10.718	1.00139.09	E	ATOM 17914 N VAL E 435	80.545 -18.301 -12.330	1.00 45.34	E
25	ATOM 17830 CA THR E 423	97.568 -16.842 -9.978	1.00148.74	E	ATOM 17915 CA VAL E 435	80.026 -19.448 -13.073	1.00 37.08	E
	ATOM 17831 CB THR E 423	97.225 -17.067 -8.477	1.00200.84	E	ATOM 17916 CB VAL E 435	79.789 -20.637 -12.109	1.00 58.76	E
	ATOM 17832 OG1 THR E 423	95.987 -17.777 -8.366	1.00162.91	E	ATOM 17917 CG1 VAL E 435	79.033 -21.759 -12.799	1.00 38.09	E
	ATOM 17833 CG2 THR E 423	97.091 -15.731 -7.747	1.00162.91	E	ATOM 17918 CG2 VAL E 435	81.112 -21.135 -11.594	1.00 38.09	E
	ATOM 17834 C THR E 423	98.889 -16.086 -10.050	1.00146.96	E	ATOM 17919 C VAL E 435	78.725 -19.164 -13.824	1.00 45.00	E
	ATOM 17835 O THR E 423	99.538 -15.881 -9.028	1.00145.45	E	ATOM 17920 O VAL E 435	77.730 -18.767 -13.223	1.00 45.59	E
	ATOM 17836 N THR E 424	99.289 -15.674 -11.249	1.00180.69	E	ATOM 17921 N PHE E 436	78.740 -19.371 -15.140	1.00 36.06	E
	ATOM 17837 CA THR E 424	100.535 -14.932 -11.402	1.00180.69	E	ATOM 17922 CA PHE E 436	77.549 -19.156 -15.954	1.00 32.26	E
	ATOM 17838 CB THR E 424	100.839 -14.642 -12.880	1.00170.66	E	ATOM 17923 CB PHE E 436	77.893 -18.375 -17.217	1.00 70.78	E
	ATOM 17839 OG1 THR E 424	100.889 -15.879 -13.598	1.00116.47	E	ATOM 17924 CG PHE E 436	78.395 -16.993 -16.951	1.00 45.55	E
	ATOM 17840 CG2 THR E 424	102.179 -13.932 -13.023	1.00116.47	E	ATOM 17925 CD1 PHE E 436	79.747 -16.760 -16.713	1.00 45.55	E
30	ATOM 17841 C THR E 424	100.416 -13.614 -10.644	1.00180.69	E	ATOM 17926 CD2 PHE E 436	77.512 -15.912 -16.929	1.00 45.55	E
	ATOM 17842 O THR E 424	99.313 -13.114 -10.426	1.00180.69	E	ATOM 17927 CE1 PHE E 436	80.218 -15.462 -16.459	1.00 45.55	E
	ATOM 17843 N SER E 425	101.552 -13.053 -10.244	1.00148.96	E	ATOM 17928 CE2 PHE E 436	77.970 -14.607 -16.671	1.00 45.55	E
	ATOM 17844 CA SER E 425	101.565 -11.807 -9.487	1.00148.96	E	ATOM 17929 CZ PHE E 436	79.323 -14.385 -16.439	1.00 45.55	E
	ATOM 17845 CB SER E 425	102.938 -11.609 -8.843	1.00200.84	E	ATOM 17930 C PHE E 436	76.928 -20.491 -16.333	1.00 40.09	E
	ATOM 17846 OG SER E 425	102.943 -10.463 -8.013	1.00102.27	E	ATOM 17931 O PHE E 436	77.565 -21.324 -16.964	1.00 39.47	E
	ATOM 17847 C SER E 425	101.209 -10.577 -10.314	1.00148.96	E	ATOM 17932 N HIS E 437	75.678 -20.687 -15.934	1.00 37.47	E
	ATOM 17848 O SER E 425	101.159 -9.468 -9.788	1.00148.96	E	ATOM 17933 CA HIS E 437	74.957 -21.922 -16.222	1.00 38.54	E
	ATOM 17849 N LYS E 426	100.960 -10.774 -11.604	1.00178.72	E	ATOM 17934 CB HIS E 437	75.277 -22.961 -15.158	1.00 67.68	E
	ATOM 17850 CA LYS E 426	100.612 -9.668 -12.491	1.00178.72	E	ATOM 17935 CG HIS E 437	74.594 -24.265 -15.381	1.00 44.05	E
	ATOM 17851 CB LYS E 426	100.333 -10.190 -13.901	1.00181.31	E	ATOM 17936 CD2 HIS E 437	73.459 -24.781 -14.854	1.00 44.05	E
	ATOM 17852 CG LYS E 426	101.422 -11.073 -14.469	1.00125.61	E	ATOM 17937 ND1 HIS E 437	75.054 -25.196 -16.285	1.00 44.05	E
35	ATOM 17853 CD LYS E 426	100.975 -11.690 -15.781	1.00125.61	E	ATOM 17938 CE1 HIS E 437	74.234 -26.232 -16.307	1.00 44.05	E
	ATOM 17854 CE LYS E 426	101.989 -12.692 -16.294	1.00125.61	E	ATOM 17939 NE2 HIS E 437	73.257 -26.005 -15.448	1.00 44.05	E
	ATOM 17855 NZ LYS E 426	101.527 -13.316 -17.559	1.00125.61	E	ATOM 17940 C HIS E 437	73.454 -21.639 -16.235	1.00 42.85	E
	ATOM 17856 C LYS E 426	99.378 -8.926 -11.987	1.00178.72	E	ATOM 17941 O HIS E 437	73.003 -20.647 -15.676	1.00 45.07	E
	ATOM 17857 O LYS E 426	99.305 -7.699 -12.059	1.00178.72	E	ATOM 17942 N ASP E 438	72.677 -22.504 -16.873	1.00 43.07	E
	ATOM 17858 N MET E 427	98.411 -9.685 -11.479	1.00157.39	E	ATOM 17943 CA ASP E 438	71.231 -22.308 -16.946	1.00 44.98	E
	ATOM 17859 CA MET E 427	97.163 -9.124 -10.973	1.00157.39	E	ATOM 17944 CB ASP E 438	70.577 -23.476 -17.687	1.00 85.18	E
	ATOM 17860 CB MET E 427	96.177 -10.250 -10.667	1.00143.86	E	ATOM 17945 CG ASP E 438	70.606 -23.288 -19.194	1.00 56.14	E

65251/C766

1	ATOM 17946 OD1 ASP E 438	71.459 -22.503 -19.675	1.00 56.14	E	ATOM 18031 OE1 GLU E 449	93.839 -17.645	0.369	1.00121.95	E
	ATOM 17947 OD2 ASP E 438	69.784 -23.924 -19.896	1.00 56.14	E	ATOM 18032 OE2 GLU E 449	96.038 -17.591	0.449	1.00121.95	E
	ATOM 17948 C ASP E 438	70.617 -22.120 -15.567	1.00 46.32	E	ATOM 18033 C GLU E 449	93.998 -22.297	0.395	1.00150.54	E
	ATOM 17949 O ASP E 438	69.820 -21.208 -15.365	1.00 49.88	E	ATOM 18034 O GLU E 449	94.781 -23.235	0.536	1.00150.54	E
	ATOM 17950 N THR E 439	70.967 -22.990 -14.625	1.00 78.46	E	ATOM 18035 N GLY E 450	92.692 -22.445	0.215	1.00 86.75	E
	ATOM 17951 CA THR E 439	70.481 -22.849 -13.259	1.00 75.81	E	ATOM 18036 CA GLY E 450	92.046 -23.741	0.186	1.00 86.75	E
	ATOM 17952 CB THR E 439	70.673 -24.150 -12.485	1.00 67.54	E	ATOM 18037 C GLY E 450	90.669 -23.523	0.769	1.00 86.75	E
	ATOM 17953 OG1 THR E 439	72.069 -24.453 -12.410	1.00 53.35	E	ATOM 18038 O GLY E 450	89.947 -24.471	1.087	1.00 86.75	E
5	ATOM 17954 CG2 THR E 439	69.975 -25.296 -13.204	1.00 53.35	E	ATOM 18039 N CYS E 451	90.311 -22.250	0.900	1.00162.80	E
	ATOM 17955 C THR E 439	71.438 -21.774 -12.755	1.00 81.58	E	ATOM 18040 CA CYS E 451	89.030 -21.859	1.462	1.00162.80	E
	ATOM 17956 O THR E 439	72.589 -21.752 -13.166	1.00 81.92	E	ATOM 18041 CB CYS E 451	87.889 -22.402	0.625	1.00166.53	E
	ATOM 17957 N LEU E 440	70.987 -20.881 -11.887	1.00 75.68	E	ATOM 18042 SG CYS E 451	87.817 -21.639	-1.009	1.00166.53	E
	ATOM 17958 CA LEU E 440	71.845 -19.786 -11.414	1.00 77.70	E	ATOM 18043 C CYS E 451	88.918 -22.408	2.862	1.00162.80	E
	ATOM 17959 CB LEU E 440	72.984 -20.287 -10.477	1.00 78.85	E	ATOM 18044 O CYS E 451	87.936 -23.134	3.122	1.00162.80	E
	ATOM 17960 CG LEU E 440	74.205 -21.241 -10.611	1.00 58.85	E	ATOM 18045 OXT CYS E 451	89.816 -22.105	3.672	1.00138.90	F
	ATOM 17961 CD1 LEU E 440	73.713 -22.644 -10.756	1.00 58.85	E	ATOM 18046 CB ARG F 1	71.762 17.988 -13.763	1.00160.20	F	
	ATOM 17962 CD2 LEU E 440	75.141 -20.886 -11.744	1.00 58.85	E	ATOM 18047 CG ARG F 1	70.244 18.165 -13.581	1.00160.20	F	
	ATOM 17963 C LEU E 440	72.445 -18.979 -12.570	1.00 87.65	E	ATOM 18048 CD ARG F 1	69.857 19.307 -12.635	1.00160.20	F	
	ATOM 17964 O LEU E 440	73.622 -19.132 -12.871	1.00 85.87	E	ATOM 18049 NE ARG F 1	69.629 20.576 -13.331	1.00160.20	F	
	ATOM 17965 N GLU E 441	71.639 -18.115 -13.202	1.00 48.75	E	ATOM 18050 CZ ARG F 1	68.652 20.794 -14.212	1.00160.20	F	
10	ATOM 17966 CA GLU E 441	72.087 -17.295 -14.347	1.00 48.75	E	ATOM 18051 NH1 ARG F 1	67.794 19.830 -14.519	1.00160.20	F	
	ATOM 17967 CB GLU E 441	71.240 -16.026 -14.446	1.00200.84	E	ATOM 18052 NH2 ARG F 1	68.534 21.981 -14.794	1.00160.20	F	
	ATOM 17968 CG GLU E 441	69.777 -16.295 -14.764	1.00136.56	E	ATOM 18053 C ARG F 1	71.879 19.602 -15.693	1.00200.84	F	
	ATOM 17969 CD GLU E 441	68.993 -15.019 -15.016	1.00136.56	E	ATOM 18054 O ARG F 1	70.799 20.191 -15.713	1.00200.84	F	
	ATOM 17970 OE1 GLU E 441	68.966 -14.147 -14.120	1.00136.56	E	ATOM 18055 N ARG F 1	72.536 20.313 -13.398	1.00200.84	F	
	ATOM 17971 OE2 GLU E 441	68.404 -14.888 -16.112	1.00136.56	E	ATOM 18056 CA ARG F 1	72.519 19.181 -14.367	1.00200.84	F	
	ATOM 17972 C GLU E 441	73.583 -16.923 -14.336	1.00 48.75	E	ATOM 18057 N THR F 2	72.554 19.304 -16.800	1.00200.81	F	
	ATOM 17973 O GLU E 441	74.263 -17.016 -15.361	1.00 48.75	E	ATOM 18058 CA THR F 2	72.051 19.658 -18.127	1.00200.81	F	
	ATOM 17974 N ALA E 442	74.090 -16.513 -13.176	1.00 55.67	E	ATOM 18059 CB THR F 2	73.181 19.609 -19.190	1.00133.73	F	
	ATOM 17975 CA ALA E 442	75.496 -16.159 -13.040	1.00 53.89	E	ATOM 18060 OG1 THR F 2	74.264 20.456 -18.787	1.00132.47	F	
	ATOM 17976 CB ALA E 442	75.802 -14.909 -13.843	1.00 30.49	E	ATOM 18061 CG2 THR F 2	72.655 20.060 -20.556	1.00135.62	F	
	ATOM 17977 C ALA E 442	75.830 -15.921 -11.584	1.00 49.88	E	ATOM 18062 C THR F 2	70.955 18.700 -18.588	1.00200.81	F	
15	ATOM 17978 O ALA E 442	75.433 -14.905 -11.024	1.00 47.29	E	ATOM 18063 O THR F 2	71.236 17.531 -18.860	1.00200.81	F	
	ATOM 17979 N GLN E 443	76.553 -16.851 -10.964	1.00 59.28	E	ATOM 18064 N PRO F 3	69.690 19.166 -18.669	1.00200.84	F	
	ATOM 17980 CA GLN E 443	76.933 -16.702 -9.558	1.00 62.56	E	ATOM 18065 CD PRO F 3	69.056 20.438 -18.268	1.00 85.85	F	
	ATOM 17981 CB GLN E 443	76.473 -17.903 -8.738	1.00 78.66	E	ATOM 18066 CA PRO F 3	68.684 18.205 -19.127	1.00200.84	F	
	ATOM 17982 CG GLN E 443	75.097 -17.739 -8.141	1.00 61.89	E	ATOM 18067 CB PRO F 3	67.463 19.088 -19.391	1.00 84.09	F	
	ATOM 17983 CD GLN E 443	74.869 -18.680 -6.977	1.00 61.89	E	ATOM 18068 CG PRO F 3	67.556 20.083 -18.271	1.00 83.96	F	
	ATOM 17984 OE1 GLN E 443	75.682 -18.744 -6.045	1.00 61.89	E	ATOM 18069 C PRO F 3	69.225 17.501 -20.375	1.00200.84	F	
	ATOM 17985 NE2 GLN E 443	73.757 -19.414 -7.016	1.00 61.89	E	ATOM 18070 O PRO F 3	68.976 16.312 -20.580	1.00200.84	F	
	ATOM 17986 C GLN E 443	78.428 -16.512 -9.365	1.00 64.73	E	ATOM 18071 N SER F 4	69.987 18.246 -21.181	1.00121.50	F	
	ATOM 17987 O GLN E 443	79.238 -17.003 -10.155	1.00 65.79	E	ATOM 18072 CA SER F 4	70.624 17.720 -22.390	1.00118.07	F	
	ATOM 17988 N VAL E 444	78.788 -15.790 -8.310	1.00 47.24	E	ATOM 18073 CB SER F 4	69.731 16.694 -23.099	1.00124.32	F	
	ATOM 17989 CA VAL E 444	80.191 -15.531 -8.013	1.00 44.39	E	ATOM 18074 OG SER F 4	68.771 17.326 -23.925	1.00126.27	F	
20	ATOM 17990 CB VAL E 444	80.407 -14.041 -7.659	1.00 57.41	E	ATOM 18075 C SER F 4	71.017 18.784 -23.406	1.00118.41	F	
	ATOM 17991 CG1 VAL E 444	81.882 -13.685 -7.742	1.00 49.71	E	ATOM 18076 O SER F 4	72.009 18.612 -24.116	1.00118.56	F	
	ATOM 17992 CG2 VAL E 444	79.616 -13.170 -8.597	1.00 49.71	E	ATOM 18077 N ASP F 5	70.241 19.868 -23.469	1.00 76.84	F	
	ATOM 17993 C VAL E 444	80.641 -16.412 -6.844	1.00 48.21	E	ATOM 18078 CA ASP F 5	70.462 20.964 -24.423	1.00 76.95	F	
	ATOM 17994 O VAL E 444	79.885 -16.633 -5.901	1.00 50.47	E	ATOM 18079 CB ASP F 5	71.867 20.865 -25.039	1.00126.80	F	
	ATOM 17995 N TYR E 445	81.865 -16.927 -6.918	1.00 42.27	E	ATOM 18080 CG ASP F 5	72.138 21.930 -26.077	1.00126.80	F	
	ATOM 17996 CA TYR E 445	82.398 -17.786 -5.868	1.00 41.34	E	ATOM 18081 OD1 ASP F 5	73.174 21.824 -26.767	1.00126.80	F	
	ATOM 17997 CB TYR E 445	82.358 -19.241 -6.310	1.00 73.76	E	ATOM 18082 OD2 ASP F 5	71.330 22.872 -26.203	1.00125.36	F	
	ATOM 17998 CG TYR E 445	80.963 -19.709 -6.627	1.00 46.18	E	ATOM 18083 C ASP F 5	69.389 20.902 -25.536	1.00 74.45	F	
	ATOM 17999 CD1 TYR E 445	80.439 -19.587 -7.918	1.00 46.18	E	ATOM 18084 O ASP F 5	69.100 21.903 -26.195	1.00 77.96	F	
	ATOM 18000 CE1 TYR E 445	79.139 -20.035 -8.214	1.00 46.18	E	ATOM 18085 N LYS F 6	68.798 19.720 -25.724	1.00 54.61	F	
	ATOM 18001 CD2 TYR E 445	80.162 -20.274 -5.640	1.00 46.18	E	ATOM 18086 CA LYS F 6	67.764 19.482 -26.742	1.00 50.99	F	
25	ATOM 18002 CE2 TYR E 445	78.868 -20.719 -5.917	1.00 46.18	E	ATOM 18087 CB LYS F 6	67.539 17.990 -26.951	1.00 59.64	F	
	ATOM 18003 CZ TYR E 445	78.361 -20.605 -7.201	1.00 46.18	E	ATOM 18088 CG LYS F 6	68.631 17.196 -27.623	1.00 66.05	F	
	ATOM 18004 OH TYR E 445	77.102 -21.096 -7.474	1.00 46.18	E	ATOM 18089 CD LYS F 6	68.248 15.714 -27.574	1.00 69.66	F	
	ATOM 18005 C TYR E 445	83.817 -17.370 -5.544	1.00 42.80	E	ATOM 18090 CE LYS F 6	69.157 14.855 -28.431	1.00 72.93	F	
	ATOM 18006 O TYR E 445	84.597 -17.089 -6.452	1.00 45.66	E	ATOM 18091 NZ LYS F 6	69.028 15.213 -29.870	1.00 74.12	F	
	ATOM 18007 N THR E 446	84.153 -17.357 -4.252	1.00 50.31	E	ATOM 18092 C LYS F 6	66.418 20.027 -26.336	1.00 46.32	F	
	ATOM 18008 CA THR E 446	85.472 -16.917 -3.813	1.00 57.29	E	ATOM 18093 O LYS F 6	65.988 19.808 -25.210	1.00 50.20	F	
	ATOM 18009 CB THR E 446	85.321 -15.699 -2.895	1.00 55.50	E	ATOM 18094 N PRO F 7	65.726 20.748 -27.238	1.00 43.47	F	
	ATOM 18010 OG1 THR E 446	84.471 -16.046 -1.798	1.00 43.65	E	ATOM 18095 CD PRO F 7	66.111 21.348 -28.522	1.00 35.30	F	
	ATOM 18011 CG2 THR E 446	84.696 -14.554 -3.626	1.00 43.65	E	ATOM 18096 CA PRO F 7	64.412 21.244 -26.822	1.00 41.51	F	
	ATOM 18012 C THR E 446	86.382 -17.915 -3.087	1.00 67.09	E	ATOM 18097 CB PRO F 7	63.946 22.070 -28.024	1.00 37.30	F	
	ATOM 18013 O THR E 446	86.256 -19.131 -3.231	1.00 70.76	E	ATOM 18098 CG PRO F 7	64.767 21.589 -29.148	1.00 36.17	F	
30	ATOM 18014 N CYS E 447	87.305 -17.323 -2.319	1.00 92.51	E	ATOM 18099 C PRO F 7	63.533 20.023 -26.543	1.00 39.57	F	
	ATOM 18015 CA CYS E 447	88.328 -17.944 -1.466	1.00 93.49	E	ATOM 18100 O PRO F 7	63.497 19.076 -27.319	1.00 40.58	F	
	ATOM 18016 C CYS E 447	89.451 -18.788 -2.061	1.00 93.52	E	ATOM 18101 N VAL F 8	62.844 20.037 -25.416	1.00 35.87	F	
	ATOM 18017 O CYS E 447	89.265 -19.557 -2.998	1.00 90.38	E	ATOM 18102 CA VAL F 8	62.026 18.902 -25.038	1.00 37.03	F	
	ATOM 18018 CB CYS E 447	87.676 -18.709 -0.302	1.00121.93	E	ATOM 18103 CB VAL F 8	62.879 17.864 -24.249	1.00 37.19	F	
	ATOM 18019 SG CYS E 447	86.565 -20.077 -0.738	1.00107.46	E	ATOM 18104 CG1 VAL F 8	63.510 18.534 -23.034	1.00 37.77	F	
	ATOM 18020 N SER E 448	90.635 -18.607 -1.482	1.00194.89	E	ATOM 18105 CG2 VAL F 8	62.024 16.669 -23.822	1.00 39.89	F	
	ATOM 18021 CA SER E 448	91.840 -19.315 -1.887	1.00194.89	E	ATOM 18106 C VAL F 8	60.868 19.336 -24.163	1.00 39.53	F	
35	ATOM 18022 CB SER E 448	92.835 -18.347 -2.523	1.00200.84	E	ATOM 18107 O VAL F 8	60.882 20.426 -23.574	1.00 38.77	F	
	ATOM 18023 OG SER E 448	92.271 -17.720 -3.661	1.00200.84	E	ATOM 18108 N ALA F 9	59.867 18.476 -24.060	1.00 36.71	F	

65251/C766

1	ATOM 18116 CG HIS F 10	56.363	13.988	-20.478	1.00	31.59	F	ATOM 18201 N GLN F 22	43.673	20.586	-19.813	1.00	55.01	F
	ATOM 18117 CD2 HIS F 10	55.753	13.633	-19.319	1.00	29.32	F	ATOM 18202 CA GLN F 22	44.667	21.645	-19.707	1.00	59.61	F
	ATOM 18118 ND1 HIS F 10	55.946	13.073	-21.425	1.00	31.73	F	ATOM 18203 CB GLN F 22	44.215	22.629	-18.630	1.00	72.86	F
	ATOM 18119 CE1 HIS F 10	55.117	12.208	-20.862	1.00	32.08	F	ATOM 18204 CG GLN F 22	45.213	23.704	-18.269	1.00	79.63	F
	ATOM 18120 NE2 HIS F 10	54.983	12.526	-19.586	1.00	29.56	F	ATOM 18205 CD GLN F 22	44.824	24.435	-16.998	1.00	85.85	F
5	ATOM 18121 C HIS F 10	55.538	16.933	-20.508	1.00	32.73	F	ATOM 18206 OE1 GLN F 22	45.587	25.243	-16.475	1.00	91.08	F
	ATOM 18122 O HIS F 10	55.828	17.068	-19.315	1.00	30.89	F	ATOM 18207 NE2 GLN F 22	43.631	24.151	-16.494	1.00	86.61	F
	ATOM 18123 N VAL F 11	54.391	17.350	-21.017	1.00	52.77	F	ATOM 18208 C GLN F 22	46.032	21.035	-19.363	1.00	57.00	F
	ATOM 18124 CA VAL F 11	53.408	17.981	-20.164	1.00	55.35	F	ATOM 18209 O GLN F 22	46.158	20.275	-18.400	1.00	55.95	F
	ATOM 18125 CB VAL F 11	52.805	19.233	-20.832	1.00	52.25	F	ATOM 18210 N TRP F 23	47.050	21.364	-20.153	1.00	54.96	F
10	ATOM 18126 CG1 VAL F 11	53.910	20.244	-21.080	1.00	48.31	F	ATOM 18211 CA TRP F 23	48.388	20.823	-19.930	1.00	48.84	F
	ATOM 18127 CG2 VAL F 11	52.111	18.862	-22.138	1.00	54.23	F	ATOM 18212 CB TRP F 23	49.158	20.707	-21.259	1.00	39.58	F
	ATOM 18128 C VAL F 11	52.331	16.985	-19.830	1.00	53.96	F	ATOM 18213 CG TRP F 23	48.479	19.918	-22.328	1.00	40.10	F
	ATOM 18129 O VAL F 11	52.099	16.034	-20.577	1.00	50.97	F	ATOM 18214 CD2 TRP F 23	48.237	18.507	-22.337	1.00	38.21	F
	ATOM 18130 N VAL F 12	51.679	17.206	-18.697	1.00	55.75	F	ATOM 18215 CE2 TRP F 23	47.560	18.208	-23.539	1.00	39.83	F
15	ATOM 18131 CA VAL F 12	50.652	16.297	-18.240	1.00	53.92	F	ATOM 18216 CE3 TRP F 23	48.526	17.467	-21.449	1.00	37.90	F
	ATOM 18132 CB VAL F 12	51.149	15.593	-16.976	1.00	47.25	F	ATOM 18217 CD1 TRP F 23	47.960	20.403	-23.493	1.00	39.57	F
	ATOM 18133 CG1 VAL F 12	51.113	16.562	-15.801	1.00	41.05	F	ATOM 18218 NE1 TRP F 23	47.408	19.382	-24.226	1.00	38.66	F
	ATOM 18134 CG2 VAL F 12	50.347	14.349	-16.723	1.00	50.72	F	ATOM 18219 CZ2 TRP F 23	47.164	16.913	-23.874	1.00	41.89	F
	ATOM 18135 C VAL F 12	49.352	17.057	-17.983	1.00	51.88	F	ATOM 18220 CZ3 TRP F 23	48.130	16.172	-21.784	1.00	42.34	F
20	ATOM 18136 O VAL F 12	49.360	18.278	-17.847	1.00	51.72	F	ATOM 18221 CH2 TRP F 23	47.456	15.912	-22.987	1.00	40.15	F
	ATOM 18137 N ALA F 13	48.241	16.331	-17.935	1.00	48.72	F	ATOM 18222 C TRP F 23	49.237	21.660	-18.982	1.00	49.34	F
	ATOM 18138 CA ALA F 13	46.923	16.929	-17.722	1.00	48.39	F	ATOM 18223 O TRP F 23	49.232	22.884	-19.058	1.00	50.62	F
	ATOM 18139 CB ALA F 13	45.827	15.946	-18.118	1.00	26.20	F	ATOM 18224 N LEU F 24	49.972	20.999	-18.093	1.00	45.14	F
	ATOM 18140 C ALA F 13	46.687	17.389	-16.295	1.00	52.37	F	ATOM 18225 CA LEU F 24	50.870	21.713	-17.192	1.00	42.83	F
25	ATOM 18141 O ALA F 13	47.063	16.700	-15.341	1.00	49.88	F	ATOM 18226 CB LEU F 24	50.379	21.726	-15.744	1.00	61.41	F
	ATOM 18142 N ASN F 14	46.047	18.554	-16.167	1.00	49.44	F	ATOM 18227 CG LEU F 24	48.944	21.401	-15.381	1.00	62.14	F
	ATOM 18143 CA ASN F 14	45.717	19.153	-14.872	1.00	50.56	F	ATOM 18228 CD1 LEU F 24	48.726	19.919	-15.553	1.00	63.76	F
	ATOM 18144 CB ASN F 14	45.518	20.649	-15.046	1.00	65.25	F	ATOM 18229 CD2 LEU F 24	48.693	21.801	-13.944	1.00	57.25	F
	ATOM 18145 CG ASN F 14	45.190	21.343	-13.749	1.00	67.24	F	ATOM 18230 C LEU F 24	52.221	21.042	-17.218	1.00	49.69	F
30	ATOM 18146 OD1 ASN F 14	44.928	22.546	-13.733	1.00	66.82	F	ATOM 18231 O LEU F 24	52.347	19.873	-17.596	1.00	46.67	F
	ATOM 18147 ND2 ASN F 14	45.208	20.595	-12.650	1.00	69.36	F	ATOM 18232 N ASN F 25	53.231	21.790	-16.805	1.00	48.39	F
	ATOM 18148 C ASN F 14	44.434	18.533	-14.328	1.00	53.44	F	ATOM 18233 CA ASN F 25	54.581	21.275	-16.759	1.00	49.83	F
	ATOM 18149 O ASN F 14	43.362	18.718	-14.896	1.00	53.96	F	ATOM 18234 CB ASN F 25	55.457	22.071	-17.708	1.00	47.01	F
	ATOM 18150 N PRO F 15	44.523	17.799	-13.210	1.00	56.59	F	ATOM 18235 CG ASN F 25	55.733	23.451	-17.194	1.00	48.58	F
35	ATOM 18151 CD PRO F 15	45.710	17.511	-12.387	1.00	52.72	F	ATOM 18236 OD1 ASN F 25	56.875	23.793	-16.871	1.00	52.57	F
	ATOM 18152 CA PRO F 15	43.327	17.166	-12.639	1.00	60.19	F	ATOM 18237 ND2 ASN F 25	54.680	24.256	-17.092	1.00	44.98	F
	ATOM 18153 CB PRO F 15	43.898	16.171	-11.619	1.00	57.06	F	ATOM 18238 C ASN F 25	55.138	21.404	-15.333	1.00	50.36	F
	ATOM 18154 CG PRO F 15	45.404	16.129	-11.903	1.00	55.33	F	ATOM 18239 O ASN F 25	56.263	20.987	-15.052	1.00	52.72	F
	ATOM 18155 C PRO F 15	42.391	18.166	-11.975	1.00	61.40	F	ATOM 18240 N ARG F 26	54.350	21.981	-14.435	1.00	60.37	F
40	ATOM 18156 O PRO F 15	41.202	17.894	-11.805	1.00	63.43	F	ATOM 18241 CA ARG F 26	54.793	22.176	-13.064	1.00	61.65	F
	ATOM 18157 N GLN F 16	42.940	19.320	-11.606	1.00	112.68	F	ATOM 18242 CB ARG F 26	54.138	23.430	-12.488	1.00	61.56	F
	ATOM 18158 CA GLN F 16	42.180	20.372	-10.938	1.00	111.63	F	ATOM 18243 CG ARG F 26	52.630	23.450	-12.558	1.00	62.47	F
	ATOM 18159 CB GLN F 16	43.149	21.308	-10.197	1.00	126.71	F	ATOM 18244 CD ARG F 26	52.081	24.566	-11.695	1.00	66.53	F
	ATOM 18160 CG GLN F 16	42.524	22.142	-9.084	1.00	129.64	F	ATOM 18245 NE ARG F 26	50.624	24.619	-11.737	1.00	67.67	F
45	ATOM 18161 CD GLN F 16	41.902	21.286	-7.997	1.00	131.43	F	ATOM 18246 CZ ARG F 26	49.929	25.212	-12.701	1.00	68.23	F
	ATOM 18162 OE1 GLN F 16	42.484	20.288	-7.572	1.00	133.55	F	ATOM 18247 NH1 ARG F 26	50.558	25.815	-13.708	1.00	68.71	F
	ATOM 18163 NE2 GLN F 16	40.718	21.679	-7.532	1.00	130.08	F	ATOM 18248 NH2 ARG F 26	48.605	25.196	-12.663	1.00	67.26	F
	ATOM 18164 C GLN F 16	41.312	21.177	-11.915	1.00	108.30	F	ATOM 18249 C ARG F 26	54.520	20.996	-12.141	1.00	59.71	F
	ATOM 18165 O GLN F 16	40.641	22.130	-11.520	1.00	108.87	F	ATOM 18250 O ARG F 26	54.021	21.173	-11.032	1.00	59.42	F
50	ATOM 18166 N ALA F 17	41.324	20.794	-13.187	1.00	113.15	F	ATOM 18251 N ARG F 27	54.854	19.792	-12.584	1.00	59.08	F
	ATOM 18167 CA ALA F 17	40.530	21.496	-14.191	1.00	116.91	F	ATOM 18252 CA ARG F 27	54.613	18.623	-11.760	1.00	60.01	F
	ATOM 18168 CB ALA F 17	41.436	22.066	-15.271	1.00	58.21	F	ATOM 18253 CB ARG F 27	53.383	17.861	-12.259	1.00	42.73	F
	ATOM 18169 C ALA F 17	39.504	20.561	-14.811	1.00	121.41	F	ATOM 18254 CG ARG F 27	52.103	18.604	-12.068	1.00	44.15	F
	ATOM 18170 O ALA F 17	39.546	20.278	-16.008	1.00	123.05	F	ATOM 18255 CD ARG F 27	51.980	19.049	-10.630	1.00	46.52	F
55	ATOM 18171 N GLU F 18	38.582	20.085	-13.984	1.00	92.47	F	ATOM 18256 NE ARG F 27	50.803	19.887	-10.401	1.00	49.91	F
	ATOM 18172 CA GLU F 18	37.535	19.175	-14.431	1.00	94.47	F	ATOM 18257 CZ ARG F 27	49.545	19.473	-10.541	1.00	53.52	F
	ATOM 18173 CB GLU F 18	36.499	18.987	-13.323	1.00	153.64	F	ATOM 18258 NH1 ARG F 27	48.538	20.314	-10.309	1.00	54.39	F
	ATOM 18174 CG GLU F 18	35.793	20.273	-12.920	1.00	153.64	F	ATOM 18259 NH2 ARG F 27	49.299	18.216	-10.911	1.00	51.75	F
	ATOM 18175 CD GLU F 18	34.669	20.040	-11.927	1.00	153.64	F	ATOM 18260 C ARG F 27	55.794	17.675	-11.674	1.00	60.47	F
60	ATOM 18176 OE1 GLU F 18	33.712	19.314	-12.271	1.00	153.64	F	ATOM 18261 O ARG F 27	56.819	17.869	-12.333	1.00	60.61	F
	ATOM 18177 OE2 GLU F 18	34.739	20.582	-10.803	1.00	153.64	F	ATOM 18262 N ALA F 28	55.610	16.648	-10.847	1.00	82.46	F
	ATOM 18178 C GLU F 18	36.830	19.662	-15.695	1.00	94.13	F	ATOM 18263 CA ALA F 28	56.592	15.607	-10.577	1.00	81.36	F
	ATOM 18179 O GLU F 18	36.696	20.868	-15.932	1.00	93.74	F	ATOM 18264 CB ALA F 28	55.874	14.321	-10.183	1.00	110.83	F
	ATOM 18180 N GLY F 19	36.389	18.704	-16.504	1.00	84.48	F	ATOM 18265 C ALA F 28	57.580	15.310	-11.691	1.00	81.02	F
65	ATOM 18181 CA GLY F 19	35.677	19.022	-17.727	1.00	81.97	F	ATOM 18266 O ALA F 28	58.679	15.854	-11.721	1.00	82.04	F
	ATOM 18182 C GLY F 19	36.506	19.461	-18.918	1.00	80.47	F	ATOM 18267 N ASN F 29	57.195	14.439	-12.609	1.00	49.03	F
	ATOM 18183 O GLY F 19	35.978	19.588	-20.021	1.00	80.48	F	ATOM 18268 CA ASN F 29	58.098	14.069	-13.681	1.00	48.20	F
	ATOM 18184 N GLN													

65251/C766

1	ATOM 18286 C LEU F 31	58.834	19.812	-19.618	1.00	49.25	F	ATOM 18371 C GLN F 42	51.459	24.444	-26.968	1.00	50.89	F
	ATOM 18287 O LEU F 31	57.795	19.673	-20.269	1.00	50.06	F	ATOM 18372 O GLN F 42	51.957	25.395	-26.375	1.00	51.23	F
	ATOM 18288 N LEU F 32	59.621	20.882	-19.690	1.00	41.88	F	ATOM 18373 N LEU F 43	52.182	23.446	-27.458	1.00	45.10	F
	ATOM 18289 CA LEU F 32	59.359	22.029	-20.552	1.00	41.67	F	ATOM 18374 CA LEU F 43	53.624	23.457	-27.337	1.00	43.68	F
	ATOM 18290 CB LEU F 32	58.231	22.906	-19.994	1.00	44.13	F	ATOM 18375 CB LEU F 43	54.164	22.031	-27.334	1.00	31.66	F
	ATOM 18291 CG LEU F 32	57.885	24.049	-20.955	1.00	42.71	F	ATOM 18376 CG LEU F 43	53.721	21.215	-26.117	1.00	37.82	F
	ATOM 18292 CD1 LEU F 32	57.274	23.471	-22.224	1.00	41.69	F	ATOM 18377 CD1 LEU F 43	54.125	19.752	-26.278	1.00	37.91	F
	ATOM 18293 CD2 LEU F 32	56.927	25.019	-20.292	1.00	43.03	F	ATOM 18378 CD2 LEU F 43	54.330	21.811	-24.872	1.00	34.21	F
	ATOM 18294 C LEU F 32	60.671	22.809	-20.560	1.00	41.31	F	ATOM 18379 C LEU F 43	54.153	24.221	-28.531	1.00	45.70	F
5	ATOM 18295 O LEU F 32	60.832	23.793	-19.834	1.00	47.18	F	ATOM 18380 O LEU F 43	53.657	24.052	-29.638	1.00	42.32	F
	ATOM 18296 N ALA F 33	61.605	22.374	-21.396	1.00	39.67	F	ATOM 18381 N VAL F 44	55.147	25.072	-28.319	1.00	37.50	F
	ATOM 18297 CA ALA F 33	62.911	23.010	-21.419	1.00	40.19	F	ATOM 18382 CA VAL F 44	55.695	25.837	-29.422	1.00	37.18	F
	ATOM 18298 CB ALA F 33	63.870	22.174	-20.608	1.00	24.54	F	ATOM 18383 CB VAL F 44	55.527	27.343	-29.184	1.00	31.94	F
	ATOM 18299 C ALA F 33	63.553	23.313	-22.766	1.00	41.98	F	ATOM 18384 CG1 VAL F 44	55.942	28.121	-30.419	1.00	33.13	F
	ATOM 18300 O ALA F 33	63.075	22.916	-23.839	1.00	46.16	F	ATOM 18385 CG2 VAL F 44	54.085	27.644	-28.825	1.00	26.55	F
	ATOM 18301 N ASN F 34	64.671	24.021	-22.667	1.00	48.57	F	ATOM 18386 C VAL F 44	57.168	25.520	-29.644	1.00	36.19	F
	ATOM 18302 CA ASN F 34	65.468	24.388	-23.812	1.00	45.76	F	ATOM 18387 O VAL F 44	58.009	25.730	-28.764	1.00	37.23	F
	ATOM 18303 CB ASN F 34	66.202	23.161	-24.325	1.00	58.85	F	ATOM 18388 N VAL F 45	57.471	25.015	-30.835	1.00	36.64	F
	ATOM 18304 CG ASN F 34	67.080	22.554	-23.273	1.00	62.77	F	ATOM 18389 CA VAL F 45	58.824	24.641	-31.207	1.00	42.38	F
	ATOM 18305 OD1 ASN F 34	67.871	23.252	-22.642	1.00	65.25	F	ATOM 18390 CB VAL F 45	58.795	23.814	-32.506	1.00	72.25	F
10	ATOM 18306 ND2 ASN F 34	66.948	21.252	-23.065	1.00	58.18	F	ATOM 18391 CG1 VAL F 45	60.193	23.654	-33.063	1.00	74.82	F
	ATOM 18307 C ASN F 34	64.747	25.075	-24.954	1.00	46.51	F	ATOM 18392 CG2 VAL F 45	58.189	22.453	-32.224	1.00	75.65	F
	ATOM 18308 O ASN F 34	65.000	24.787	-26.127	1.00	49.05	F	ATOM 18393 C VAL F 45	59.747	25.857	-31.365	1.00	44.17	F
	ATOM 18309 N GLY F 35	63.847	25.988	-24.619	1.00	51.50	F	ATOM 18394 O VAL F 45	59.397	26.843	-31.999	1.00	43.62	F
	ATOM 18310 CA GLY F 35	63.184	26.729	-25.664	1.00	46.09	F	ATOM 18395 N PRO F 46	60.950	25.790	-30.781	1.00	51.20	F
	ATOM 18311 C GLY F 35	61.732	26.460	-25.947	1.00	46.44	F	ATOM 18396 CD PRO F 46	61.354	24.800	-29.762	1.00	35.54	F
	ATOM 18312 O GLY F 35	61.005	27.393	-26.308	1.00	47.93	F	ATOM 18397 CA PRO F 46	61.926	26.881	-30.850	1.00	50.05	F
	ATOM 18313 N VAL F 36	61.280	25.218	-25.815	1.00	43.65	F	ATOM 18398 CB PRO F 46	62.626	26.783	-29.512	1.00	34.90	F
	ATOM 18314 CA VAL F 36	59.880	24.995	-26.126	1.00	44.98	F	ATOM 18399 CG PRO F 46	62.734	25.305	-29.342	1.00	35.60	F
	ATOM 18315 CB VAL F 36	59.552	23.480	-26.297	1.00	47.41	F	ATOM 18400 C PRO F 46	62.931	26.839	-31.987	1.00	53.49	F
	ATOM 18316 OD1 VAL F 36	60.724	22.651	-25.882	1.00	45.44	F	ATOM 18401 O PRO F 46	63.714	27.773	-32.134	1.00	55.95	F
	ATOM 18317 CG2 VAL F 36	58.294	23.111	-25.532	1.00	47.81	F	ATOM 18402 N SER F 47	62.938	25.768	-32.780	1.00	65.54	F
15	ATOM 18318 C VAL F 36	59.012	25.678	-25.073	1.00	49.13	F	ATOM 18403 CA SER F 47	63.905	25.678	-33.883	1.00	62.66	F
	ATOM 18319 O VAL F 36	59.317	25.651	-23.881	1.00	50.09	F	ATOM 18404 CB SER F 47	65.292	25.372	-33.324	1.00	63.49	F
	ATOM 18320 N GLU F 37	57.945	26.322	-25.542	1.00	47.27	F	ATOM 18405 OG SER F 47	65.287	24.131	-32.638	1.00	64.70	F
	ATOM 18321 CA GLU F 37	57.032	27.044	-24.667	1.00	49.87	F	ATOM 18406 C SER F 47	63.567	24.645	-34.956	1.00	59.35	F
	ATOM 18322 CB GLU F 37	56.940	28.498	-25.116	1.00	61.00	F	ATOM 18407 O SER F 47	62.820	23.699	-34.706	1.00	56.49	F
	ATOM 18323 CG GLU F 37	58.264	29.031	-25.630	1.00	68.03	F	ATOM 18408 N GLU F 48	64.125	24.848	-36.151	1.00	51.94	F
	ATOM 18324 CD GLU F 37	58.130	30.334	-26.390	1.00	71.00	F	ATOM 18409 CA GLU F 48	63.926	23.949	-37.289	1.00	56.43	F
	ATOM 18325 OE1 GLU F 37	57.068	30.552	-27.019	1.00	74.43	F	ATOM 18410 CB GLU F 48	64.806	24.366	-38.469	1.00	124.88	F
	ATOM 18326 OE2 GLU F 37	59.095	31.131	-26.375	1.00	71.56	F	ATOM 18411 CG GLU F 48	64.630	25.795	-38.959	1.00	129.62	F
	ATOM 18327 C GLU F 37	55.651	26.420	-24.690	1.00	48.76	F	ATOM 18412 CD GLU F 48	63.458	25.963	-39.908	1.00	133.97	F
	ATOM 18328 O GLU F 37	55.259	25.772	-25.657	1.00	51.22	F	ATOM 18413 OE1 GLU F 48	62.300	25.847	-39.457	1.00	135.71	F
20	ATOM 18329 N LEU F 38	54.931	26.600	-23.595	1.00	55.07	F	ATOM 18414 OE2 GLU F 48	63.700	26.208	-41.110	1.00	131.89	F
	ATOM 18330 CA LEU F 38	53.581	26.095	-23.486	1.00	57.11	F	ATOM 18415 C GLU F 48	64.391	22.585	-36.815	1.00	55.02	F
	ATOM 18331 CB LEU F 38	53.391	25.367	-22.161	1.00	50.78	F	ATOM 18416 O GLU F 48	65.262	22.497	-35.953	1.00	60.81	F
	ATOM 18332 CG LEU F 38	52.017	24.714	-21.964	1.00	48.69	F	ATOM 18417 N GLY F 49	63.821	21.517	-37.357	1.00	47.23	F
	ATOM 18333 CD1 LEU F 38	51.635	23.915	-23.214	1.00	47.07	F	ATOM 18418 CA GLY F 49	64.270	20.204	-36.949	1.00	44.89	F
	ATOM 18334 CD2 LEU F 38	52.039	23.809	-20.726	1.00	45.56	F	ATOM 18419 C GLY F 49	63.280	19.065	-36.981	1.00	46.90	F
	ATOM 18335 C LEU F 38	52.755	27.365	-23.528	1.00	57.38	F	ATOM 18420 O GLY F 49	62.090	19.246	-37.219	1.00	49.74	F
	ATOM 18336 O LEU F 38	52.665	28.087	-22.544	1.00	50.99	F	ATOM 18421 N LEU F 50	63.812	17.873	-36.747	1.00	52.76	F
	ATOM 18337 N ARG F 39	52.168	27.640	-24.684	1.00	44.65	F	ATOM 18422 CA LEU F 50	63.043	16.646	-36.701	1.00	53.96	F
	ATOM 18338 CA ARG F 39	51.388	28.847	-24.900	1.00	51.18	F	ATOM 18423 CB LEU F 50	63.942	15.500	-37.119	1.00	40.86	F
	ATOM 18339 CB ARG F 39	52.113	29.693	-25.948	1.00	65.47	F	ATOM 18424 CG LEU F 50	63.666	14.744	-38.415	1.00	41.99	F
25	ATOM 18340 CG ARG F 39	51.606	31.089	-26.118	1.00	73.17	F	ATOM 18425 CD1 LEU F 50	62.991	15.624	-39.425	1.00	38.80	F
	ATOM 18341 CD ARG F 39	52.587	31.892	-26.952	1.00	81.78	F	ATOM 18426 CD2 LEU F 50	64.981	14.201	-38.958	1.00	42.38	F
	ATOM 18342 NE ARG F 39	52.293	33.322	-26.895	1.00	88.31	F	ATOM 18427 C LEU F 50	62.604	16.471	-35.247	1.00	50.34	F
	ATOM 18343 CZ ARG F 39	53.121	34.270	-27.320	1.00	89.11	F	ATOM 18428 O LEU F 50	63.421	16.568	-34.332	1.00	49.06	F
	ATOM 18344 NH1 ARG F 39	54.298	33.943	-27.837	1.00	87.59	F	ATOM 18429 N TYR F 51	61.318	16.227	-35.020	1.00	48.02	F
	ATOM 18345 NH2 ARG F 39	52.778	35.547	-27.219	1.00	91.41	F	ATOM 18430 CA TYR F 51	60.823	16.059	-33.657	1.00	46.67	F
	ATOM 18346 C ARG F 39	49.967	28.513	-25.355	1.00	53.23	F	ATOM 18431 CB TYR F 51	59.942	17.243	-33.230	1.00	36.96	F
	ATOM 18347 O ARG F 39	49.766	27.695	-26.249	1.00	56.46	F	ATOM 18432 CG TYR F 51	60.658	18.537	-32.951	1.00	37.06	F
	ATOM 18348 N ASP F 40	48.981	29.139	-24.729	1.00	59.11	F	ATOM 18433 CD1 TYR F 51	61.170	19.318	-33.988	1.00	37.92	F
	ATOM 18349 CA ASP F 40	47.586	28.910	-25.083	1.00	57.06	F	ATOM 18434 CE1 TYR F 51	61.816	20.518	-33.734	1.00	37.48	F
	ATOM 18350 CB ASP F 40	47.250	29.617	-26.404	1.00	111.99	F	ATOM 18435 CD2 TYR F 51	60.813	18.989	-31.649	1.00	38.62	F
30	ATOM 18351 CG ASP F 40	47.576	31.108	-26.376	1.00	114.13	F	ATOM 18436 CE2 TYR F 51	61.462	20.191	-31.378	1.00	36.89	F
	ATOM 18352 OD1 ASP F 40	47.091	31.811	-25.463	1.00	111.01	F	ATOM 18437 CZ TYR F 51	61.962	20.954	-32.424	1.00	36.59	F
	ATOM 18353 OD2 ASP F 40	48.316	31.579	-27.271	1.00	114.25	F	ATOM 18438 OH TYR F 51	62.617	22.148	-32.149	1.00	36.82	F
	ATOM 18354 C ASP F 40	47.272	27.418	-25.197	1.00	53.19	F	ATOM 18439 C TYR F 51	59.992	14.809	-33.467	1.00	46.85	F
	ATOM 18355 O ASP F 40	46.502	27.002	-26.059	1.00	52.42	F	ATOM 18440 O TYR F 51	59.229	14.412	-34.351	1.00	47.74	F
	ATOM 18356 N ASN F 41	47.883	26.626	-24.322	1.00	48.65	F	ATOM 18441 N LEU F 52	60.133	14.190	-32.302	1.00	40.23	F
	ATOM 18357 CA ASN F 41	47.685	25.175	-24.251	1.00	44.40	F	ATOM 18442 CA LEU F 52	59.327	13.028	-31.978	1.00	41.88	F
	ATOM 18358 CB ASN F 41	46.200	24.840	-24.139	1.00	59.02	F	ATOM 18443 CB LEU F 52	60.108	12.038	-31.120	1.00	58.50	F
	ATOM 18359 CG ASN F 41	45.956	23.514	-23.434	1.00	53.71	F	ATOM 18444 CG LEU F 52	59.275	10.917	-30.491	1.00	54.39	F
	ATOM 18360 OD1 ASN F 41	46.446	23.285	-22.322	1.00	55.05	F	ATOM 18445 CD1 LEU F 52	58.465	10.212	-31.562	1.00	56.42	F
	ATOM 18361 ND2 ASN F 41	45.190	22.638	-24.071	1.00	49.81	F	ATOM 18446 CD2 LEU F 52	60.195	9.930	-29.787	1.00	48.72	F

65251/C766

1	ATOM 18456 O ILE F 53	54.755	11.815	-31.230	1.00	38.78	F	ATOM 18541 SG CYS F 64	28.284	1.396	-22.614	1.00	149.16	F
	ATOM 18457 N TYR F 54	54.346	12.931	-29.329	1.00	38.30	F	ATOM 18542 N PRO F 65	26.150	5.401	-22.501	1.00	110.93	F
	ATOM 18458 CA TYR F 54	53.525	11.851	-28.806	1.00	35.43	F	ATOM 18543 CD PRO F 65	27.535	5.716	-22.887	1.00	148.74	F
	ATOM 18459 CB TYR F 54	54.426	10.761	-28.207	1.00	34.13	F	ATOM 18544 CA PRO F 65	25.249	6.478	-22.917	1.00	113.27	F
	ATOM 18460 CG TYR F 54	55.211	11.229	-26.999	1.00	34.13	F	ATOM 18545 CB PRO F 65	26.192	7.486	-23.577	1.00	151.27	F
5	ATOM 18461 CD1 TYR F 54	54.658	11.155	-25.715	1.00	34.13	F	ATOM 18546 CG PRO F 65	27.510	7.215	-22.916	1.00	151.00	F
	ATOM 18462 CE1 TYR F 54	55.338	11.638	-24.607	1.00	34.13	F	ATOM 18547 C PRO F 65	24.196	5.970	-23.893	1.00	116.28	F
	ATOM 18463 CD2 TYR F 54	56.475	11.798	-27.141	1.00	34.13	F	ATOM 18548 O PRO F 65	23.824	4.797	-23.877	1.00	116.55	F
	ATOM 18464 CE2 TYR F 54	57.162	12.285	-26.038	1.00	34.13	F	ATOM 18549 N SER F 66	23.732	6.868	-24.752	1.00	162.81	F
	ATOM 18465 CZ TYR F 54	56.586	12.204	-24.770	1.00	34.13	F	ATOM 18550 CA SER F 66	22.729	6.532	-25.747	1.00	166.41	F
10	ATOM 18466 OH TYR F 54	57.237	12.688	-23.656	1.00	34.13	F	ATOM 18551 CB SER F 66	21.742	7.689	-25.899	1.00	156.51	F
	ATOM 18467 C TYR F 54	52.523	12.339	-27.756	1.00	34.02	F	ATOM 18552 OG SER F 66	20.777	7.411	-26.897	1.00	153.67	F
	ATOM 18468 O TYR F 54	52.673	13.425	-27.174	1.00	32.87	F	ATOM 18553 C SER F 66	23.396	6.248	-27.086	1.00	166.96	F
	ATOM 18469 N SER F 55	51.507	11.520	-27.516	1.00	44.40	F	ATOM 18554 O SER F 66	24.615	6.376	-27.224	1.00	160.38	F
	ATOM 18470 CA SER F 55	50.489	11.871	-26.557	1.00	44.18	F	ATOM 18555 N THR F 67	22.580	5.863	-28.063	1.00	200.84	F
15	ATOM 18471 CB SER F 55	49.599	12.973	-27.119	1.00	52.49	F	ATOM 18556 CA THR F 67	23.032	5.550	-29.417	1.00	200.84	F
	ATOM 18472 OG SER F 55	48.490	13.199	-26.267	1.00	59.05	F	ATOM 18557 CB THR F 67	22.869	6.771	-30.355	1.00	171.92	F
	ATOM 18473 C SER F 55	49.624	10.685	-26.210	1.00	47.16	F	ATOM 18558 OG1 THR F 67	21.523	7.255	-30.282	1.00	171.92	F
	ATOM 18474 O SER F 55	49.445	9.772	-27.021	1.00	44.30	F	ATOM 18559 CG2 THR F 67	23.180	6.383	-31.802	1.00	171.92	F
	ATOM 18475 N GLN F 56	49.089	10.695	-24.993	1.00	60.71	F	ATOM 18560 C THR F 67	24.480	5.059	-29.502	1.00	200.84	F
20	ATOM 18476 CA GLN F 56	48.204	9.630	-24.570	1.00	61.41	F	ATOM 18561 O THR F 67	24.771	3.896	-29.258	1.00	200.84	F
	ATOM 18477 CB GLN F 56	48.929	8.566	-23.755	1.00	47.65	F	ATOM 18562 N HIS F 68	25.384	5.982	-29.845	1.00	144.93	F
	ATOM 18478 CG GLN F 56	47.992	7.411	-23.444	1.00	49.25	F	ATOM 18563 CA HIS F 68	26.790	5.641	-29.986	1.00	140.05	F
	ATOM 18479 CD GLN F 56	48.500	6.482	-22.373	1.00	52.37	F	ATOM 18564 CB HIS F 68	27.057	5.196	-31.429	1.00	189.02	F
	ATOM 18480 OE1 GLN F 56	48.410	6.784	-21.187	1.00	51.90	F	ATOM 18565 CG HIS F 68	28.279	4.347	-31.589	1.00	189.02	F
25	ATOM 18481 NE2 GLN F 56	49.039	5.339	-22.784	1.00	55.48	F	ATOM 18566 CD2 HIS F 68	29.405	4.532	-32.317	1.00	189.02	F
	ATOM 18482 C GLN F 56	47.095	10.185	-23.714	1.00	63.89	F	ATOM 18567 ND1 HIS F 68	28.424	3.127	-30.963	1.00	189.02	F
	ATOM 18483 O GLN F 56	47.337	11.008	-22.825	1.00	61.97	F	ATOM 18568 CE1 HIS F 68	29.587	2.599	-31.297	1.00	189.02	F
	ATOM 18484 N VAL F 57	45.876	9.741	-23.990	1.00	49.50	F	ATOM 18569 NE2 HIS F 68	30.202	3.431	-32.118	1.00	189.02	F
	ATOM 18485 CA VAL F 57	44.737	10.160	-23.193	1.00	43.87	F	ATOM 18570 C HIS F 68	27.665	6.842	-29.638	1.00	135.88	F
30	ATOM 18486 CB VAL F 57	43.731	10.992	-24.005	1.00	61.48	F	ATOM 18571 O HIS F 68	27.314	7.982	-29.940	1.00	135.33	F
	ATOM 18487 CG1 VAL F 57	44.415	12.223	-24.562	1.00	62.68	F	ATOM 18572 N VAL F 69	28.800	6.577	-28.997	1.00	94.93	F
	ATOM 18488 CG2 VAL F 57	43.134	10.154	-25.113	1.00	58.41	F	ATOM 18573 CA VAL F 69	29.740	7.626	-28.612	1.00	94.66	F
	ATOM 18489 C VAL F 57	44.053	8.894	-22.704	1.00	46.48	F	ATOM 18574 CB VAL F 69	29.928	7.685	-27.080	1.00	109.60	F
	ATOM 18490 O VAL F 57	44.132	7.850	-23.350	1.00	47.59	F	ATOM 18575 CG1 VAL F 69	30.864	8.822	-26.717	1.00	109.36	F
35	ATOM 18491 N LEU F 58	43.402	8.978	-21.552	1.00	59.53	F	ATOM 18576 CG2 VAL F 69	28.585	7.869	-26.396	1.00	107.86	F
	ATOM 18492 CA LEU F 58	42.701	7.825	-21.012	1.00	57.98	F	ATOM 18577 C VAL F 69	31.101	7.374	-29.252	1.00	94.25	F
	ATOM 18493 CB LEU F 58	43.321	7.396	-19.684	1.00	54.21	F	ATOM 18578 O VAL F 69	31.615	6.254	-29.226	1.00	97.81	F
	ATOM 18494 CG LEU F 58	43.176	5.925	-19.293	1.00	56.23	F	ATOM 18579 N LEU F 70	31.675	8.422	-29.833	1.00	82.01	F
	ATOM 18495 CD1 LEU F 58	43.332	5.804	-17.783	1.00	50.25	F	ATOM 18580 CA LEU F 70	32.980	8.323	-30.474	1.00	77.23	F

65251/C766

1	ATOM 18626 O ILE F 75	47.958	16.294	-34.976	1.00	42.34	F	ATOM 18711 CG2 VAL F 86	48.932	20.555	-40.586	1.00	44.49	F
	ATOM 18627 N SER F 76	47.629	18.154	-33.742	1.00	54.94	F	ATOM 18712 C VAL F 86	46.844	18.995	-39.141	1.00	46.57	F
	ATOM 18628 CA SER F 76	47.637	19.041	-34.896	1.00	56.02	F	ATOM 18713 O VAL F 86	47.770	19.077	-38.344	1.00	51.26	F
	ATOM 18629 CB SER F 76	46.407	19.946	-34.889	1.00	79.68	F	ATOM 18714 N ASN F 87	46.080	17.916	-39.229	1.00	58.46	F
	ATOM 18630 OG SER F 76	45.215	19.196	-34.857	1.00	88.97	F	ATOM 18715 CA ASN F 87	46.332	16.754	-38.394	1.00	55.14	F
	ATOM 18631 C SER F 76	48.855	19.932	-34.922	1.00	52.02	F	ATOM 18716 CB ASN F 87	45.138	15.818	-38.458	1.00	58.92	F
	ATOM 18632 O SER F 76	49.456	20.217	-33.893	1.00	48.17	F	ATOM 18717 CG ASN F 87	43.904	16.427	-37.850	1.00	59.22	F
	ATOM 18633 N ARG F 77	49.210	20.368	-36.121	1.00	45.04	F	ATOM 18718 OD1 ASN F 87	43.964	17.493	-37.240	1.00	61.83	F
	ATOM 18634 CA ARG F 77	50.307	21.286	-36.295	1.00	50.22	F	ATOM 18719 ND2 ASN F 87	42.771	15.746	-38.000	1.00	56.18	F
5	ATOM 18635 CB ARG F 77	51.397	20.705	-37.200	1.00	39.50	F	ATOM 18720 C ASN F 87	47.590	15.968	-38.734	1.00	53.96	F
	ATOM 18636 CG ARG F 77	52.278	21.807	-37.846	1.00	41.68	F	ATOM 18721 O ASN F 87	47.824	15.627	-39.893	1.00	52.54	F
	ATOM 18637 CD ARG F 77	53.661	21.324	-38.244	1.00	42.55	F	ATOM 18722 N LEU F 88	48.392	15.667	-37.717	1.00	50.27	F
	ATOM 18638 NE ARG F 77	53.838	21.178	-39.683	1.00	44.99	F	ATOM 18723 CA LEU F 88	49.610	14.897	-37.923	1.00	49.26	F
	ATOM 18639 CZ ARG F 77	54.800	21.781	-40.376	1.00	48.42	F	ATOM 18724 CB LEU F 88	50.759	15.450	-37.089	1.00	30.57	F
	ATOM 18640 NHI ARG F 77	54.896	21.590	-41.684	1.00	48.51	F	ATOM 18725 CG LEU F 88	51.181	16.882	-37.362	1.00	27.50	F
	ATOM 18641 NH2 ARG F 77	55.657	22.586	-39.768	1.00	48.28	F	ATOM 18726 CD1 LEU F 88	52.353	17.217	-36.448	1.00	28.27	F
	ATOM 18642 C ARG F 77	49.731	22.517	-36.968	1.00	48.56	F	ATOM 18727 CD2 LEU F 88	51.537	17.049	-38.820	1.00	26.07	F
	ATOM 18643 O ARG F 77	48.943	22.410	-37.912	1.00	54.31	F	ATOM 18728 C LEU F 88	49.363	13.468	-37.502	1.00	48.50	F
	ATOM 18644 N ILE F 78	50.082	23.683	-36.455	1.00	41.34	F	ATOM 18729 O LEU F 88	49.763	12.533	-38.178	1.00	46.97	F
	ATOM 18645 CA ILE F 78	49.658	24.914	-37.092	1.00	40.03	F	ATOM 18730 N LEU F 89	48.713	13.313	-36.360	1.00	40.13	F
10	ATOM 18646 CB ILE F 78	48.699	25.792	-36.166	1.00	61.56	F	ATOM 18731 CA LEU F 89	48.411	11.999	-35.811	1.00	39.05	F
	ATOM 18647 CG2 ILE F 78	48.210	24.990	-34.984	1.00	62.06	F	ATOM 18732 CB LEU F 89	49.371	11.678	-34.675	1.00	40.57	F
	ATOM 18648 CG1 ILE F 78	49.387	27.058	-35.697	1.00	63.23	F	ATOM 18733 CG LEU F 89	50.851	11.806	-34.980	1.00	44.55	F
	ATOM 18649 CD1 ILE F 78	49.560	28.086	-36.790	1.00	63.55	F	ATOM 18734 CD1 LEU F 89	51.600	11.933	-33.675	1.00	44.28	F
	ATOM 18650 C ILE F 78	51.030	25.540	-37.398	1.00	42.20	F	ATOM 18735 CD2 LEU F 89	51.324	10.612	-35.762	1.00	43.67	F
	ATOM 18651 O ILE F 78	51.719	26.074	-36.532	1.00	40.75	F	ATOM 18736 C LEU F 89	46.988	12.037	-35.272	1.00	40.72	F
	ATOM 18652 N ALA F 79	51.446	25.405	-38.645	1.00	49.54	F	ATOM 18737 O LEU F 89	46.573	13.023	-34.662	1.00	41.44	F
	ATOM 18653 CA ALA F 79	52.742	25.900	-39.079	1.00	46.14	F	ATOM 18738 N SER F 90	46.243	10.965	-35.494	1.00	42.81	F
	ATOM 18654 CB ALA F 79	53.095	25.276	-40.409	1.00	58.07	F	ATOM 18739 CA SER F 90	44.864	10.914	-35.044	1.00	42.15	F
	ATOM 18655 C ALA F 79	52.858	27.410	-39.182	1.00	47.34	F	ATOM 18740 CB SER F 90	43.983	11.721	-35.992	1.00	67.96	F
	ATOM 18656 O ALA F 79	51.883	28.105	-39.446	1.00	47.54	F	ATOM 18741 OG SER F 90	42.627	11.631	-35.604	1.00	72.18	F
	ATOM 18657 N VAL F 80	54.069	27.912	-38.989	1.00	52.87	F	ATOM 18742 C SER F 90	44.320	9.495	-34.948	1.00	40.78	F
15	ATOM 18658 CA VAL F 80	54.312	29.344	-39.073	1.00	55.36	F	ATOM 18743 O SER F 90	44.664	8.618	-35.748	1.00	40.60	F
	ATOM 18659 CB VAL F 80	55.764	29.703	-38.707	1.00	57.63	F	ATOM 18744 N ALA F 91	43.469	9.261	-33.960	1.00	46.48	F
	ATOM 18660 CG1 VAL F 80	55.985	31.196	-38.865	1.00	56.03	F	ATOM 18745 CA ALA F 91	42.879	7.940	-33.802	1.00	44.57	F
	ATOM 18661 CG2 VAL F 80	56.059	29.277	-37.289	1.00	59.33	F	ATOM 18746 CB ALA F 91	43.720	7.085	-32.854	1.00	39.45	F
	ATOM 18662 C VAL F 80	54.058	29.813	-40.492	1.00	59.91	F	ATOM 18747 C ALA F 91	41.457	8.086	-33.286	1.00	48.54	F
	ATOM 18663 O VAL F 80	53.621	30.938	-40.709	1.00	58.50	F	ATOM 18748 O ALA F 91	41.099	9.118	-32.719	1.00	50.41	F
	ATOM 18664 N SER F 81	54.332	28.945	-41.459	1.00	69.48	F	ATOM 18749 N ILE F 92	40.647	7.055	-33.499	1.00	66.29	F
	ATOM 18665 CA SER F 81	54.127	29.297	-42.856	1.00	72.34	F	ATOM 18750 CA ILE F 92	39.255	7.064	-33.066	1.00	66.27	F
	ATOM 18666 CB SER F 81	55.220	28.675	-43.709	1.00	44.56	F	ATOM 18751 CB ILE F 92	38.309	7.154	-34.267	1.00	59.03	F
	ATOM 18667 OG SER F 81	56.481	29.195	-43.342	1.00	47.60	F	ATOM 18752 CG2 ILE F 92	36.883	7.279	-33.792	1.00	65.10	F
	ATOM 18668 C SER F 81	52.760	28.904	-43.414	1.00	76.52	F	ATOM 18753 CG1 ILE F 92	38.681	8.364	-35.127	1.00	57.14	F
20	ATOM 18669 O SER F 81	52.541	29.006	-44.618	1.00	77.04	F	ATOM 18754 CD1 ILE F 92	37.921	8.448	-36.433	1.00	63.01	F
	ATOM 18670 N TYR F 82	51.851	28.458	-42.547	1.00	51.40	F	ATOM 18755 C ILE F 92	38.976	5.772	-32.330	1.00	66.10	F
	ATOM 18671 CA TYR F 82	50.512	28.069	-42.965	1.00	53.44	F	ATOM 18756 O ILE F 92	39.555	4.743	-32.661	1.00	67.18	F
	ATOM 18672 CB TYR F 82	50.565	26.755	-43.758	1.00	37.26	F	ATOM 18757 N LYS F 93	38.100	5.821	-31.332	1.00	83.59	F
	ATOM 18673 CG TYR F 82	49.261	26.393	-44.447	1.00	40.46	F	ATOM 18758 CA LYS F 93	37.773	4.624	-30.569	1.00	84.24	F
	ATOM 18674 CD1 TYR F 82	48.589	25.201	-44.150	1.00	42.75	F	ATOM 18759 CB LYS F 93	38.672	4.539	-29.331	1.00	60.33	F
	ATOM 18675 CE1 TYR F 82	47.355	24.900	-44.732	1.00	44.54	F	ATOM 18760 CG LYS F 93	38.977	3.120	-28.889	1.00	64.02	F
	ATOM 18676 CD2 TYR F 82	48.666	27.266	-45.351	1.00	42.55	F	ATOM 18761 CD LYS F 93	40.281	3.055	-28.099	1.00	63.79	F
	ATOM 18677 CE2 TYR F 82	47.435	26.975	-45.935	1.00	44.02	F	ATOM 18762 CE LYS F 93	40.659	1.609	-27.766	1.00	63.69	F
	ATOM 18678 CZ TYR F 82	46.788	25.799	-45.621	1.00	44.71	F	ATOM 18763 NZ LYS F 93	41.959	1.482	-27.028	1.00	66.26	F
	ATOM 18679 OH TYR F 82	45.567	25.551	-46.196	1.00	43.13	F	ATOM 18764 C LYS F 93	36.303	4.657	-30.169	1.00	85.94	F
25	ATOM 18680 C TYR F 82	49.628	27.914	-41.730	1.00	52.87	F	ATOM 18765 O LYS F 93	35.804	5.697	-29.740	1.00	83.86	F
	ATOM 18681 O TYR F 82	49.309	26.791	-41.324	1.00	53.05	F	ATOM 18766 N SER F 94	35.616	3.525	-30.326	1.00	89.46	F
	ATOM 18682 N GLN F 83	49.237	29.051	-41.146	1.00	58.56	F	ATOM 18767 CA SER F 94	34.191	3.409	-29.996	1.00	91.91	F
	ATOM 18683 CA GLN F 83	48.405	29.097	-39.941	1.00	58.45	F	ATOM 18768 CB SER F 94	33.430	2.753	-31.151	1.00	112.58	F
	ATOM 18684 CB GLN F 83	48.085	30.540	-39.569	1.00	63.37	F	ATOM 18769 OG SER F 94	33.949	1.464	-31.441	1.00	115.01	F
	ATOM 18685 CG GLN F 83	48.960	31.155	-38.491	1.00	67.64	F	ATOM 18770 C SER F 94	34.007	2.573	-28.737	1.00	94.50	F
	ATOM 18686 CD GLN F 83	50.322	31.547	-39.001	1.00	68.68	F	ATOM 18771 O SER F 94	33.975	1.347	-28.794	1.00	95.77	F
	ATOM 18687 OE1 GLN F 83	51.055	32.280	-38.342	1.00	67.70	F	ATOM 18772 N PRO F 95	33.857	3.231	-27.583	1.00	91.51	F
	ATOM 18688 NE2 GLN F 83	50.672	31.061	-40.184	1.00	66.18	F	ATOM 18773 CD PRO F 95	33.626	4.682	-27.443	1.00	86.69	F
	ATOM 18689 C GLN F 83	47.083	28.358	-39.985	1.00	56.63	F	ATOM 18774 CA PRO F 95	33.682	2.548	-26.299	1.00	95.45	F
	ATOM 18690 O GLN F 83	46.041	28.998	-40.027	1.00	54.08	F	ATOM 18775 CB PRO F 95	33.703	3.698	-25.300	1.00	89.63	F
30	ATOM 18691 N THR F 84	47.102	27.030	-39.959	1.00	64.96	F	ATOM 18776 CG PRO F 95	33.011	4.791	-26.064	1.00	87.08	F
	ATOM 18692 CA THR F 84	45.859	26.264	-39.968	1.00	57.33	F	ATOM 18777 C PRO F 95	32.392	1.746	-26.233	1.00	99.88	F
	ATOM 18693 CB THR F 84	45.321	26.018	-41.379	1.00	72.84	F	ATOM 18778 O PRO F 95	32.398	0.520	-26.343	1.00	103.31	F
	ATOM 18694 OG1 THR F 84	45.275	27.250	-42.099	1.00	73.39	F	ATOM 18779 N CYS F 96	31.283	2.451	-26.049	1.00	116.02	F
	ATOM 18695 CG2 THR F 84	43.921	25.423	-41.311	1.00	75.59	F	ATOM 18780 CA CYS F 96	29.987	1.809	-25.968	1.00	163.81	F
	ATOM 18696 C THR F 84	46.130	24.907	-39.373	1.00	53.84	F	ATOM 18781 C CYS F 96	29.480	1.481	-27.355	1.00	161.64	F
	ATOM 18697 O THR F 84	47.148	24.284	-39.674	1.00	55.15	F	ATOM 18782 O CYS F 96	29.100	2.368	-28.117	1.00	165.21	F
	ATOM 18698 N LYS F 85	45.221	24.442	-38.530	1.00	43.22	F	ATOM 18783 CB CYS F 96	28.995	2.715	-25.244	1.00	200.84	F
	ATOM 18699 CA LYS F 85	45.390	23.144	-37.937	1.00	43.08	F	ATOM 18784 SG CYS F 96	29.357	2.893	-23.470	1.00	200.84	F
	ATOM 18700 CB LYS F 85	44.248	22.842	-36.969	1.00	70.90	F	ATOM 18785 N GLN F 97	29.495	0.194	-27.676	1.00	200.78	F
	ATOM 18701 CG LYS F 85	44.493	23.218	-35.522	1.00	67.84	F	ATOM 18786 CA GLN F 97	29.033	-0.289	-28.967	1.00	200.78	F
	ATOM 18702 CD LYS F 85	43.368	22.647	-34										

65251/C766

1	ATOM 18796 CB ARG F 98	24.808	0.573	-29.695	1.00200.84	F	ATOM 18881 CE2 TRP F 109	32.825	4.646	-21.456	1.00 76.71	F
	ATOM 18797 CG ARG F 98	23.285	0.513	-29.693	1.00200.84	F	ATOM 18882 CE3 TRP F 109	35.153	4.043	-21.755	1.00 77.56	F
	ATOM 18798 CD ARG F 98	22.647	1.847	-29.332	1.00200.84	F	ATOM 18883 CD1 TRP F 109	32.000	2.833	-20.450	1.00 75.55	F
	ATOM 18799 NE ARG F 98	21.206	1.718	-29.131	1.00200.84	F	ATOM 18884 NE1 TRP F 109	31.693	4.085	-20.931	1.00 73.87	F
	ATOM 18800 CZ ARG F 98	20.360	1.231	-30.034	1.00200.84	F	ATOM 18885 CZ2 TRP F 109	33.017	5.894	-22.055	1.00 73.16	F
	ATOM 18801 NHI ARG F 98	19.067	1.153	-29.754	1.00200.84	F	ATOM 18886 CZ3 TRP F 109	35.346	5.287	-22.353	1.00 77.32	F
	ATOM 18802 NH2 ARG F 98	20.802	0.823	-31.217	1.00200.84	F	ATOM 18887 CH2 TRP F 109	34.281	6.196	-22.497	1.00 72.96	F
	ATOM 18803 C ARG F 98	24.848	-0.012	-27.239	1.00200.84	F	ATOM 18888 C TRP F 109	35.981	2.289	-19.125	1.00 94.83	F
	ATOM 18804 O ARG F 98	23.630	-0.039	-27.047	1.00200.84	F	ATOM 18889 O TRP F 109	35.871	3.497	-18.911	1.00 96.44	F
5	ATOM 18805 N GLU F 99	25.707	-0.729	-26.515	1.00196.51	F	ATOM 18890 N TYR F 110	37.115	1.710	-19.499	1.00 81.53	F
	ATOM 18806 CA GLU F 99	25.264	-1.619	-25.440	1.00196.51	F	ATOM 18891 CA TYR F 110	38.338	2.468	-19.711	1.00 80.17	F
	ATOM 18807 CB GLU F 99	26.439	-1.993	-24.525	1.00190.87	F	ATOM 18892 CB TYR F 110	39.422	2.026	-18.733	1.00 87.33	F
	ATOM 18808 CG GLU F 99	27.736	-1.242	-24.805	1.00190.87	F	ATOM 18893 CG TYR F 110	39.100	2.282	-17.281	1.00 90.88	F
	ATOM 18809 CD GLU F 99	28.568	-1.891	-25.897	1.00190.87	F	ATOM 18894 CD1 TYR F 110	38.143	1.519	-16.609	1.00 94.97	F
	ATOM 18810 OE1 GLU F 99	27.988	-2.286	-26.929	1.00190.87	F	ATOM 18895 CE1 TYR F 110	37.873	1.734	-15.254	1.00 95.29	F
	ATOM 18811 OE2 GLU F 99	29.802	-1.998	-25.725	1.00190.87	F	ATOM 18896 CD2 TYR F 110	39.776	3.272	-16.567	1.00 91.11	F
	ATOM 18812 C GLU F 99	24.154	-0.997	-24.597	1.00196.51	F	ATOM 18897 CE2 TYR F 110	39.515	3.496	-15.219	1.00 96.48	F
	ATOM 18813 O GLU F 99	23.119	-1.621	-24.376	1.00196.51	F	ATOM 18898 CZ TYR F 110	38.568	2.727	-14.567	1.00 96.77	F
	ATOM 18814 N THR F 100	24.382	0.231	-24.135	1.00198.08	F	ATOM 18899 OH TYR F 110	38.338	2.947	-13.230	1.00 97.97	F
	ATOM 18815 CA THR F 100	23.421	0.963	-23.311	1.00198.08	F	ATOM 18900 C TYR F 110	38.824	2.241	-21.137	1.00 78.68	F
10	ATOM 18816 CB THR F 100	22.234	1.491	-24.157	1.00154.69	F	ATOM 18901 O TYR F 110	38.800	1.118	-21.637	1.00 79.87	F
	ATOM 18817 OG1 THR F 100	21.614	0.404	-24.854	1.00154.97	F	ATOM 18902 N GLU F 111	39.270	3.312	-21.782	1.00 74.12	F
	ATOM 18818 CG2 THR F 100	22.712	2.525	-25.166	1.00155.86	F	ATOM 18903 CA GLU F 111	39.751	3.235	-23.153	1.00 72.14	F
	ATOM 18819 C THR F 100	22.873	0.116	-22.163	1.00198.08	F	ATOM 18904 CB GLU F 111	38.612	3.564	-24.116	1.00 78.25	F
	ATOM 18820 O THR F 100	22.186	-0.880	-22.383	1.00198.08	F	ATOM 18905 CG GLU F 111	38.585	2.682	-25.327	1.00 85.17	F
	ATOM 18821 N PRO F 101	23.170	0.511	-20.914	1.00200.84	F	ATOM 18906 CD GLU F 111	38.390	1.228	-24.965	1.00 90.14	F
	ATOM 18822 CD PRO F 101	23.904	1.732	-20.537	1.00117.31	F	ATOM 18907 OE1 GLU F 111	37.352	0.920	-24.343	1.00 90.35	F
	ATOM 18823 CA PRO F 101	22.715	-0.204	-19.719	1.00200.84	F	ATOM 18908 OE2 GLU F 111	39.269	0.299	-25.300	1.00 97.30	F
	ATOM 18824 CB PRO F 101	22.947	0.816	-18.609	1.00118.26	F	ATOM 18909 C GLU F 111	40.905	4.211	-23.376	1.00 72.72	F
	ATOM 18825 CG PRO F 101	24.193	1.501	-19.067	1.00116.29	F	ATOM 18910 O GLU F 111	40.700	5.426	-23.405	1.00 78.08	F
	ATOM 18826 C PRO F 101	21.260	-0.668	-19.799	1.00200.84	F	ATOM 18911 N PRO F 112	42.139	3.692	-23.518	1.00 67.72	F
	ATOM 18827 O PRO F 101	20.334	0.144	-19.788	1.00200.84	F	ATOM 18912 CD PRO F 112	42.556	2.321	-23.173	1.00 51.44	F
15	ATOM 18828 N GLU F 102	21.076	-1.983	-19.880	1.00191.64	F	ATOM 18913 CA PRO F 112	43.318	4.535	-23.740	1.00 66.95	F
	ATOM 18829 CA GLU F 102	19.753	-2.593	-19.962	1.00191.64	F	ATOM 18914 CB PRO F 112	44.411	3.775	-23.005	1.00 47.51	F
	ATOM 18830 CB GLU F 102	19.881	-4.109	-19.750	1.00154.58	F	ATOM 18915 CG PRO F 112	44.077	2.374	-23.358	1.00 48.64	F
	ATOM 18831 CG GLU F 102	18.567	-4.882	-19.724	1.00155.78	F	ATOM 18916 C PRO F 112	43.639	4.676	-25.227	1.00 63.98	F
	ATOM 18832 CD GLU F 102	17.781	-4.668	-18.442	1.00157.09	F	ATOM 18917 O PRO F 112	43.263	3.826	-26.032	1.00 64.11	F
	ATOM 18833 OE1 GLU F 102	18.316	-4.973	-17.353	1.00157.90	F	ATOM 18918 N ILE F 113	44.324	5.757	-25.582	1.00 60.67	F
	ATOM 18834 OE2 GLU F 102	16.628	-4.193	-18.526	1.00156.21	F	ATOM 18919 CA ILE F 113	44.727	5.984	-26.964	1.00 62.64	F
	ATOM 18835 C GLU F 102	18.780	-1.993	-18.946	1.00188.20	F	ATOM 18920 CB ILE F 113	43.793	6.949	-27.699	1.00 53.30	F
	ATOM 18836 O GLU F 102	17.606	-1.780	-19.250	1.00185.26	F	ATOM 18921 CG2 ILE F 113	44.303	7.142	-29.116	1.00 49.32	F
	ATOM 18837 N GLY F 103	19.275	-1.718	-17.743	1.00145.71	F	ATOM 18922 CG1 ILE F 113	42.370	6.402	-27.743	1.00 50.36	F
	ATOM 18838 CA GLY F 103	18.435	-1.150	-16.704	1.00143.03	F	ATOM 18923 CD1 ILE F 113	41.416	7.254	-28.586	1.00 50.84	F
20	ATOM 18839 C GLY F 103	18.888	-1.584	-15.323	1.00140.90	F	ATOM 18924 C ILE F 113	46.121	6.599	-26.999	1.00 66.86	F
	ATOM 18840 O GLY F 103	18.440	-1.045	-14.311	1.00135.39	F	ATOM 18925 O ILE F 113	46.376	7.618	-26.352	1.00 70.26	F
	ATOM 18841 N ALA F 104	19.784	-2.565	-15.286	1.00174.34	F	ATOM 18926 N TYR F 114	47.022	5.981	-27.753	1.00 41.12	F
	ATOM 18842 CA ALA F 104	20.319	-3.083	-14.033	1.00174.34	F	ATOM 18927 CA TYR F 114	48.380	6.504	-27.870	1.00 39.40	F
	ATOM 18843 CB ALA F 104	19.629	-4.400	-13.677	1.00 88.02	F	ATOM 18928 CB TYR F 114	49.409	5.430	-27.526	1.00 43.56	F
	ATOM 18844 C ALA F 104	21.829	-3.291	-14.156	1.00174.34	F	ATOM 18929 CG TYR F 114	50.812	5.962	-27.411	1.00 41.42	F
	ATOM 18845 O ALA F 104	22.280	-4.116	-14.952	1.00174.34	F	ATOM 18930 CD1 TYR F 114	51.259	6.540	-26.231	1.00 45.71	F
	ATOM 18846 N GLU F 105	22.591	-2.527	-13.369	1.00170.66	F	ATOM 18931 CE1 TYR F 114	52.547	7.052	-26.126	1.00 45.28	F
	ATOM 18847 CA GLU F 105	24.059	-2.575	-13.332	1.00170.66	F	ATOM 18932 CD2 TYR F 114	51.689	5.907	-28.498	1.00 41.59	F
	ATOM 18848 CB GLU F 105	24.584	-3.939	-13.804	1.00200.84	F	ATOM 18933 CE2 TYR F 114	52.978	6.420	-28.414	1.00 45.92	F
	ATOM 18849 CG GLU F 105	24.255	-5.095	-12.875	1.00200.84	F	ATOM 18934 CZ TYR F 114	53.406	6.992	-27.223	1.00 46.00	F
25	ATOM 18850 CD GLU F 105	24.844	-4.914	-11.489	1.00200.84	F	ATOM 18935 OH TYR F 114	54.688	7.513	-27.123	1.00 45.50	F
	ATOM 18851 OE1 GLU F 105	24.442	-3.960	-10.789	1.00200.84	F	ATOM 18936 C TYR F 114	48.628	7.005	-29.294	1.00 39.24	F
	ATOM 18852 OE2 GLU F 105	25.712	-5.723	-11.101	1.00200.84	F	ATOM 18937 O TYR F 114	48.153	6.427	-30.267	1.00 42.15	F
	ATOM 18853 C GLU F 105	24.747	-1.466	-14.132	1.00170.66	F	ATOM 18938 N LEU F 115	49.393	8.080	-29.405	1.00 39.71	F
	ATOM 18854 O GLU F 105	24.543	-0.281	-13.863	1.00170.66	F	ATOM 18939 CA LEU F 115	49.712	8.681	-30.692	1.00 38.75	F
	ATOM 18855 N ALA F 106	25.570	-1.870	-15.101	1.00175.55	F	ATOM 18940 CB LEU F 115	48.857	9.934	-30.882	1.00 55.80	F
	ATOM 18856 CA ALA F 106	26.328	-0.963	-15.970	1.00175.55	F	ATOM 18941 CG LEU F 115	47.727	9.968	-31.907	1.00 59.05	F
	ATOM 18857 CB ALA F 106	25.518	0.299	-15.275	1.00 90.12	F	ATOM 18942 CD1 LEU F 115	47.003	8.636	-31.981	1.00 57.43	F
	ATOM 18858 C ALA F 106	27.677	-0.584	-15.362	1.00175.55	F	ATOM 18943 CD2 LEU F 115	46.789	11.097	-31.528	1.00 62.35	F
	ATOM 18859 O ALA F 106	27.821	0.482	-14.764	1.00175.55	F	ATOM 18944 C LEU F 115	51.185	9.072	-30.695	1.00 41.19	F
	ATOM 18860 N LYS F 107	28.662	-1.466	-15.526	1.00151.21	F	ATOM 18945 O LEU F 115	51.697	9.572	-29.691	1.00 43.72	F
30	ATOM 18861 CA LYS F 107	30.011	-1.245	-15.005	1.00145.33	F	ATOM 18946 N GLY F 116	51.867	8.853	-31.814	1.00 39.12	F
	ATOM 18862 CB LYS F 107	30.852	-2.522	-15.143	1.00174.49	F	ATOM 18947 CA GLY F 116	53.268	9.222	-31.875	1.00 33.46	F
	ATOM 18863 CG LYS F 107	30.548	-3.627	-14.138	1.00174.44	F	ATOM 18948 C GLY F 116	53.910	9.045	-33.233	1.00 37.31	F
	ATOM 18864 CD LYS F 107	29.149	-4.197	-14.299	1.00175.87	F	ATOM 18949 O GLY F 116	53.627	8.077	-33.943	1.00 36.19	F
	ATOM 18865 CE LYS F 107	28.959	-5.426	-13.419	1.00171.91	F	ATOM 18950 N GLY F 117	54.786	9.983	-33.590	1.00 34.82	F
	ATOM 18866 NZ LYS F 107	29.277	-5.150	-11.989	1.00172.17	F	ATOM 18951 CA GLY F 117	55.474	9.928	-34.868	1.00 37.82	F
	ATOM 18867 C LYS F 107	30.720	-0.106	-15.739	1.00140.81	F	ATOM 18952 C GLY F 117	56.536	11.004	-34.965	1.00 39.13	F
	ATOM 18868 O LYS F 107	30.244	0.370	-16.772	1.00139.94	F	ATOM 18953 O GLY F 117	56.597	11.895	-34.120	1.00 40.51	F
	ATOM 18869 N PRO F 108	31.869	0.353	-15.205	1.00115.17	F	ATOM 18954 N VAL F 118	57.374	10.925	-35.994	1.00 32.51	F
	ATOM 18870 CD PRO F 108	32.443	0.021	-13.885	1.00 67.86	F	ATOM 18955 CA VAL F 118	58.442	11.901	-36.201	1.00 35.29	F
	ATOM 18871 CA PRO F 108	32.628	1.439	-15.836	1.00113.91	F	ATOM 18956 CB VAL F 118	59.756	11.189	-36.570	1.00 33.83	F
	ATOM 18872 CB PRO F 108	33.431	2.013	-14.672	1.00 67.01	F	ATOM 18957 CG1 VAL F 118	60.853	12.192	-36.845	1.00 35.23	F
35	ATOM 18873 CG PRO F 108	33.762	0.792	-13.887	1.00 64.39	F	ATOM 18958 CG2 VAL F 118	60.158	10.284	-35.427	1.00 33.89	F
	ATOM 18874 C PRO F 108	33.530	0.892	-16.943	1.00113.14	F	ATOM 18959 C VAL F 118	58.048	12.886	-37.298	1.00 33.20	F
	ATOM 18875 O PRO F 108	33.851	-0.298	-16.960	1.00111.32	F	ATOM 18960 O VAL F 118	57.517	12.491	-38.335	1.00 37	

65251/C766

1	ATOM 18966 CD2 PHE F 119	54.648	14.769	-38.728	1.00	27.05	F	ATOM 19051 CB GLU F 130	42.476	18.734	-29.190	1.00	81.32	F
	ATOM 18967 CE1 PHE F 119	54.173	13.123	-36.553	1.00	27.63	F	ATOM 19052 CG GLU F 130	43.193	20.070	-29.063	1.00	80.86	F
	ATOM 18968 CE2 PHE F 119	53.600	13.832	-38.765	1.00	27.86	F	ATOM 19053 CD GLU F 130	42.928	21.011	-30.229	1.00	86.35	F
	ATOM 18969 CZ PHE F 119	53.365	13.010	-37.678	1.00	26.95	F	ATOM 19054 OE1 GLU F 130	43.413	22.166	-30.192	1.00	87.72	F
	ATOM 18970 C PHE F 119	58.967	16.358	-38.160	1.00	45.51	F	ATOM 19055 OE2 GLU F 130	42.244	20.596	-31.186	1.00	86.16	F
5	ATOM 18971 O PHE F 119	59.680	16.704	-37.227	1.00	41.61	F	ATOM 19056 C GLU F 130	42.263	16.375	-28.389	1.00	46.82	F
	ATOM 18972 N GLN F 120	59.010	16.932	-39.360	1.00	36.85	F	ATOM 19057 O GLU F 130	42.608	15.381	-29.020	1.00	46.74	F
	ATOM 18973 CA GLN F 120	59.877	18.068	-39.683	1.00	40.22	F	ATOM 19058 N ILE F 131	41.143	16.421	-27.679	1.00	59.24	F
	ATOM 18974 CB GLN F 120	60.098	18.144	-41.195	1.00	66.06	F	ATOM 19059 CA ILE F 131	40.196	15.311	-27.643	1.00	61.78	F
	ATOM 18975 CG GLN F 120	61.535	18.069	-41.654	1.00	66.21	F	ATOM 19060 CB ILE F 131	40.203	14.580	-26.300	1.00	62.37	F
10	ATOM 18976 CD GLN F 120	62.420	19.098	-40.989	1.00	65.81	F	ATOM 19061 CG2 ILE F 131	41.533	13.880	-26.096	1.00	62.60	F
	ATOM 18977 OE1 GLN F 120	62.025	20.243	-40.808	1.00	65.37	F	ATOM 19062 CG1 ILE F 131	39.899	15.572	-25.182	1.00	58.56	F
	ATOM 18978 NE2 GLN F 120	63.634	18.695	-40.632	1.00	68.64	F	ATOM 19063 CD1 ILE F 131	39.806	14.927	-23.810	1.00	57.17	F
	ATOM 18979 C GLN F 120	59.079	19.304	-39.235	1.00	39.36	F	ATOM 19064 C ILE F 131	38.816	15.917	-27.849	1.00	63.67	F
	ATOM 18980 O GLN F 120	57.953	19.516	-39.695	1.00	42.06	F	ATOM 19065 O ILE F 131	38.637	17.116	-27.671	1.00	64.39	F
15	ATOM 18981 N LEU F 121	59.648	20.111	-38.343	1.00	32.02	F	ATOM 19066 N ASN F 132	37.843	15.094	-28.217	1.00	67.90	F
	ATOM 18982 CA LEU F 121	58.969	21.305	-37.834	1.00	33.68	F	ATOM 19067 CA ASN F 132	36.495	15.585	-28.464	1.00	64.90	F
	ATOM 18983 CB LEU F 121	58.671	21.133	-36.343	1.00	28.55	F	ATOM 19068 CB ASN F 132	35.896	14.829	-29.643	1.00	71.52	F
	ATOM 18984 CG LEU F 121	57.324	20.542	-35.927	1.00	26.82	F	ATOM 19069 CG ASN F 132	35.683	13.364	-29.333	1.00	70.22	F
	ATOM 18985 CD1 LEU F 121	56.804	19.581	-36.969	1.00	28.21	F	ATOM 19070 OD1 ASN F 132	36.529	12.721	-28.715	1.00	71.91	F
20	ATOM 18986 CD2 LEU F 121	57.485	19.870	-34.559	1.00	22.31	F	ATOM 19071 ND2 ASN F 132	34.553	12.824	-29.768	1.00	68.05	F
	ATOM 18987 C LEU F 121	59.775	22.580	-38.035	1.00	35.72	F	ATOM 19072 C ASN F 132	35.559	15.477	-27.256	1.00	62.55	F
	ATOM 18988 O LEU F 121	60.999	22.549	-38.047	1.00	40.99	F	ATOM 19073 O ASN F 132	34.622	16.265	-27.133	1.00	65.72	F
	ATOM 18989 N GLU F 122	59.069	23.699	-38.186	1.00	50.02	F	ATOM 19074 N ARG F 133	35.804	14.512	-26.368	1.00	60.81	F
	ATOM 18990 CA GLU F 122	59.691	25.014	-38.377	1.00	51.56	F	ATOM 19075 CA ARG F 133	34.958	14.326	-25.188	1.00	56.40	F
25	ATOM 18991 CB GLU F 122	58.860	25.906	-39.309	1.00	87.61	F	ATOM 19076 CB ARG F 133	34.298	12.944	-25.222	1.00	99.85	F
	ATOM 18992 CG GLU F 122	58.622	25.438	-40.725	1.00	90.65	F	ATOM 19077 CG ARG F 133	33.383	12.719	-26.410	1.00	102.43	F
	ATOM 18993 CD GLU F 122	57.667	26.369	-41.474	1.00	95.93	F	ATOM 19078 CD ARG F 133	32.288	13.773	-26.466	1.00	107.67	F
	ATOM 18994 OE1 GLU F 122	56.497	26.503	-41.051	1.00	97.43	F	ATOM 19079 NE ARG F 133	31.448	13.766	-25.270	1.00	105.53	F
	ATOM 18995 OE2 GLU F 122	58.089	26.975	-42.481	1.00	96.02	F	ATOM 19080 CZ ARG F 133	30.575	12.808	-24.966	1.00	106.63	F
30	ATOM 18996 C GLU F 122	59.745	25.740	-37.040	1.00	50.36	F	ATOM 19081 NH1 ARG F 133	29.862	12.895	-23.852	1.00	109.31	F
	ATOM 18997 O GLU F 122	58.913	25.507	-36.164	1.00	51.55	F	ATOM 19082 NH2 ARG F 133	30.405	11.768	-25.774	1.00	105.92	F
	ATOM 18998 N LYS F 123	60.707	26.639	-36.888	1.00	48.42	F	ATOM 19083 C ARG F 133	35.707	14.486	-23.864	1.00	60.99	F
	ATOM 18999 CA LYS F 123	60.780	27.417	-35.663	1.00	49.27	F	ATOM 19084 O ARG F 133	35.885	13.519	-23.122	1.00	63.35	F
	ATOM 19000 CB LYS F 123	61.964	28.378	-35.705	1.00	68.86	F	ATOM 19085 N PRO F 134	36.136	15.714	-23.542	1.00	62.18	F
35	ATOM 19001 CG LYS F 123	61.964	29.361	-34.560	1.00	65.02	F	ATOM 19086 CD PRO F 134	35.863	16.967	-24.261	1.00	69.35	F
	ATOM 19002 CD LYS F 123	63.096	30.356	-34.691	1.00	62.69	F	ATOM 19087 CA PRO F 134	36.865	15.987	-22.301	1.00	65.90	F
	ATOM 19003 CE LYS F 123	63.057	31.386	-33.567	1.00	64.42	F	ATOM 19088 CB PRO F 134	37.152	17.481	-22.391	1.00	72.07	F
	ATOM 19004 NZ LYS F 123	64.118	32.422	-33.748	1.00	68.43	F	ATOM 19089 CG PRO F 134	35.993	17.990	-23.154	1.00	74.07	F
	ATOM 19005 C LYS F 123	59.475	28.212	-35.592	1.00	50.09	F	ATOM 19090 C PRO F 134	36.074	15.622	-21.050	1.00	71.08	F

65251/C766

1	ATOM 19134 CE1 PHE F 139	41.081	16.403	-16.112	1.00	80.92	F	ATOM 19219 CD1 ILE F 150	64.245	15.403	-26.283	1.00	40.01	F
	ATOM 19135 CE2 PHE F 139	40.382	15.142	-14.191	1.00	76.90	F	ATOM 19220 C ILE F 150	62.390	16.048	-29.464	1.00	43.92	F
	ATOM 19136 CZ PHE F 139	40.206	16.217	-15.053	1.00	80.84	F	ATOM 19221 O ILE F 150	61.995	15.430	-30.459	1.00	43.03	F
	ATOM 19137 C PHE F 139	43.330	11.987	-13.646	1.00	79.73	F	ATOM 19222 N ALA F 151	63.379	16.934	-29.517	1.00	48.97	F
	ATOM 19138 O PHE F 139	43.919	12.856	-12.995	1.00	79.83	F	ATOM 19223 CA ALA F 151	64.069	17.208	-30.769	1.00	47.71	F
5	ATOM 19139 N ALA F 140	42.756	10.917	-13.094	1.00	76.61	F	ATOM 19224 CB ALA F 151	64.736	18.571	-30.706	1.00	27.39	F
	ATOM 19140 CA ALA F 140	42.750	10.688	-11.654	1.00	77.91	F	ATOM 19225 C ALA F 151	65.108	16.125	-31.040	1.00	48.67	F
	ATOM 19141 CB ALA F 140	41.625	9.737	-11.289	1.00	66.20	F	ATOM 19226 O ALA F 151	65.988	15.869	-30.216	1.00	51.05	F
	ATOM 19142 C ALA F 140	44.064	10.141	-11.128	1.00	78.30	F	ATOM 19227 N LEU F 152	65.000	15.484	-32.197	1.00	80.95	F
	ATOM 19143 O ALA F 140	44.581	10.618	-10.120	1.00	80.19	F	ATOM 19228 CA LEU F 152	65.938	14.435	-32.562	1.00	84.93	F
10	ATOM 19144 N GLU F 141	44.601	9.139	-11.813	1.00	87.14	F	ATOM 19229 CB LEU F 152	65.183	13.234	-33.122	1.00	72.73	F
	ATOM 19145 CA GLU F 141	45.844	8.523	-11.381	1.00	90.32	F	ATOM 19230 CG LEU F 152	64.196	12.599	-32.145	1.00	73.98	F
	ATOM 19146 CB GLU F 141	46.075	7.197	-12.119	1.00	175.23	F	ATOM 19231 CD1 LEU F 152	63.476	11.453	-32.815	1.00	71.67	F
	ATOM 19147 CG GLU F 141	47.283	6.403	-11.617	1.00	175.23	F	ATOM 19232 CD2 LEU F 152	64.937	12.114	-30.915	1.00	73.18	F
	ATOM 19148 CD GLU F 141	48.598	6.841	-12.250	1.00	175.23	F	ATOM 19233 C LEU F 152	66.944	14.936	-33.591	1.00	87.78	F
15	ATOM 19149 OE1 GLU F 141	49.659	6.642	-11.621	1.00	175.23	F	ATOM 19234 O LEU F 152	68.127	15.096	-33.287	1.00	93.64	F
	ATOM 19150 OE2 GLU F 141	48.577	7.370	-13.381	1.00	175.23	F	ATOM 19235 N ILE F 153	49.352	27.229	-4.252	1.00	80.49	F
	ATOM 19151 C GLU F 141	47.069	9.414	-11.522	1.00	92.42	F	ATOM 19236 CA ILE F 153	49.297	26.441	-3.028	1.00	80.49	F
	ATOM 19152 O GLU F 141	47.479	10.046	-10.553	1.00	96.10	F	ATOM 19237 CB ILE F 153	48.695	25.050	-3.273	1.00	70.45	F
	ATOM 19153 N SER F 142	47.656	9.481	-12.713	1.00	76.54	F	ATOM 19238 CG2 ILE F 153	47.214	25.175	-3.561	1.00	67.23	F
20	ATOM 19154 CA SER F 142	48.861	10.284	-12.869	1.00	79.53	F	ATOM 19239 CG1 ILE F 153	49.419	24.365	-4.428	1.00	67.23	F
	ATOM 19155 CB SER F 142	49.909	9.789	-11.879	1.00	52.01	F	ATOM 19240 CD1 ILE F 153	48.878	22.990	-4.740	1.00	67.23	F
	ATOM 19156 OG SER F 142	50.957	10.718	-11.735	1.00	52.89	F	ATOM 19241 C ILE F 153	50.671	26.274	-2.400	1.00	80.49	F
	ATOM 19157 C SER F 142	49.464	10.280	-14.279	1.00	80.85	F	ATOM 19242 O ILE F 153	51.703	26.423	-3.066	1.00	80.49	F
	ATOM 19158 O SER F 142	49.310	11.243	-15.047	1.00	85.94	F	ATOM 19243 N THR F 154	50.667	25.944	-1.112	1.00	72.49	F
25	ATOM 19159 N GLY F 143	50.177	9.210	-14.616	1.00	59.44	F	ATOM 19244 CA THR F 154	51.892	25.795	-0.351	1.00	72.49	F
	ATOM 19160 CA GLY F 143	50.766	9.148	-15.942	1.00	56.91	F	ATOM 19245 CB THR F 154	52.194	27.118	0.367	1.00	61.01	F
	ATOM 19161 C GLY F 143	49.787	8.588	-16.955	1.00	54.98	F	ATOM 19246 OG1 THR F 154	53.216	27.816	-0.351	1.00	71.29	F
	ATOM 19162 O GLY F 143	50.192	7.831	-17.832	1.00	56.97	F	ATOM 19247 CG2 THR F 154	52.612	26.884	1.830	1.00	71.29	F
	ATOM 19163 N GLN F 144	48.509	8.962	-16.838	1.00	55.15	F	ATOM 19248 C THR F 154	51.876	24.669	0.677	1.00	72.49	F
30	ATOM 19164 CA GLN F 144	47.448	8.479	-17.730	1.00	49.68	F	ATOM 19249 O THR F 154	50.842	24.380	1.277	1.00	72.49	F
	ATOM 19165 CB GLN F 144	46.152	8.264	-16.947	1.00	87.92	F	ATOM 19250 N LEU F 155	53.033	24.035	0.862	1.00	56.54	F
	ATOM 19166 CG GLN F 144	46.324	7.501	-15.653	1.00	87.20	F	ATOM 19251 CA LEU F 155	53.196	22.975	1.859	1.00	56.54	F
	ATOM 19167 CD GLN F 144	45.001	7.189	-14.983	1.00	87.17	F	ATOM 19252 CB LEU F 155	53.261	21.591	1.211	1.00	68.59	F
	ATOM 19168 OE1 GLN F 144	44.146	8.064	-14.824	1.00	92.74	F	ATOM 19253 CG LEU F 155	53.319	20.447	2.230	1.00	65.17	F
35	ATOM 19169 NE2 GLN F 144	44.831	5.940	-14.574	1.00	85.71	F	ATOM 19254 CD1 LEU F 155	52.149	20.557	3.192	1.00	65.17	F
	ATOM 19170 C GLN F 144	47.149	9.421	-18.892	1.00	51.48	F	ATOM 19255 CD2 LEU F 155	53.288	19.111	1.521	1.00	65.17	F
	ATOM 19171 O GLN F 144	46.568	9.018	-19.896	1.00	53.79	F	ATOM 19256 C LEU F 155	54.502	23.273	2.598	1.00	56.54	F
	ATOM 19172 N VAL F 145	47.532	10.680	-18.745	1.00	36.31	F	ATOM 19257 O LEU F 155	55.588	23.273	2.002	1.00	56.54	F
	ATOM 19173 CA VAL F 145	47.292	11.666	-19.781	1.00	34.56	F	ATOM 19258 N LYS F 156	54.393	23.552	3.894	1.00	67.00	F

65251/C766

1	ATOM 19304 C THR F 160	62.645	23.052	17.230	1.00	82.88	F	ATOM 19389 N VAL F 172	59.362	21.223	18.570	1.00	63.93	F
	ATOM 19305 O THR F 160	61.747	22.643	17.982	1.00	82.88	F	ATOM 19390 CA VAL F 172	58.044	21.326	17.958	1.00	63.93	F
	ATOM 19306 N VAL F 161	63.931	23.080	17.582	1.00	72.87	F	ATOM 19391 CB VAL F 172	57.372	22.688	18.162	1.00	66.39	F
	ATOM 19307 CA VAL F 161	64.337	22.711	18.936	1.00	72.87	F	ATOM 19392 CG1 VAL F 172	56.644	22.706	19.467	1.00	58.40	F
	ATOM 19308 CB VAL F 161	65.431	21.607	18.981	1.00	94.02	F	ATOM 19393 CG2 VAL F 172	58.408	23.798	18.074	1.00	58.40	F
	ATOM 19309 CG1 VAL F 161	65.008	20.422	18.142	1.00	78.53	F	ATOM 19394 C VAL F 172	58.153	21.135	16.465	1.00	63.93	F
	ATOM 19310 CG2 VAL F 161	66.759	22.158	18.535	1.00	78.53	F	ATOM 19395 O VAL F 172	59.207	21.354	15.860	1.00	63.93	F
	ATOM 19311 C VAL F 161	64.880	23.993	19.562	1.00	72.87	F	ATOM 19396 N PHE F 173	57.035	20.736	15.880	1.00	89.37	F
	ATOM 19312 O VAL F 161	65.626	24.736	18.926	1.00	72.87	F	ATOM 19397 CA PHE F 173	56.946	20.528	14.457	1.00	89.37	F
5	ATOM 19313 N THR F 162	64.485	24.256	20.802	1.00	131.07	F	ATOM 19398 CB PHE F 173	57.054	19.049	14.121	1.00	96.81	F
	ATOM 19314 CA THR F 162	64.908	25.466	21.493	1.00	131.07	F	ATOM 19399 CG PHE F 173	56.668	18.746	12.718	1.00	78.63	F
	ATOM 19315 CB THR F 162	63.701	26.384	21.757	1.00	99.74	F	ATOM 19400 CD1 PHE F 173	57.532	19.047	11.674	1.00	78.63	F
	ATOM 19316 OG1 THR F 162	62.765	26.270	20.678	1.00	71.07	F	ATOM 19401 CD2 PHE F 173	55.404	18.249	12.427	1.00	78.63	F
	ATOM 19317 CG2 THR F 162	64.150	27.829	21.864	1.00	71.07	F	ATOM 19402 CE1 PHE F 173	57.142	18.864	10.365	1.00	78.63	F
	ATOM 19318 C THR F 162	65.552	25.141	22.832	1.00	131.07	F	ATOM 19403 CE2 PHE F 173	55.002	18.064	11.117	1.00	78.63	F
	ATOM 19319 O THR F 162	65.201	24.148	23.471	1.00	131.07	F	ATOM 19404 CZ PHE F 173	55.871	18.373	10.083	1.00	78.63	F
	ATOM 19320 N LEU F 163	66.492	25.978	23.258	1.00	104.83	F	ATOM 19405 C PHE F 173	55.597	21.038	13.981	1.00	89.37	F
	ATOM 19321 CA LEU F 163	67.146	25.761	24.538	1.00	104.83	F	ATOM 19406 O PHE F 173	54.570	20.790	14.620	1.00	89.37	F
	ATOM 19322 CB LEU F 163	68.474	26.505	24.599	1.00	141.20	F	ATOM 19407 N TYR F 174	55.598	21.754	12.863	1.00	71.23	F
	ATOM 19323 CG LEU F 163	69.656	25.596	24.933	1.00	89.29	F	ATOM 19408 CA TYR F 174	54.355	22.264	12.303	1.00	71.23	F
10	ATOM 19324 CD1 LEU F 163	70.891	26.450	25.172	1.00	89.29	F	ATOM 19409 CB TYR F 174	54.268	23.788	12.414	1.00	121.19	F
	ATOM 19325 CD2 LEU F 163	69.342	24.753	26.164	1.00	89.29	F	ATOM 19410 CG TYR F 174	54.151	24.308	13.822	1.00	107.23	F
	ATOM 19326 C LEU F 163	66.239	26.249	25.660	1.00	104.83	F	ATOM 19411 CD1 TYR F 174	55.236	24.919	14.447	1.00	107.23	F
	ATOM 19327 O LEU F 163	66.523	26.034	26.842	1.00	104.83	F	ATOM 19412 CE1 TYR F 174	55.139	25.402	15.752	1.00	107.23	F
	ATOM 19328 N LYS F 164	65.139	26.897	25.282	1.00	175.79	F	ATOM 19413 CD2 TYR F 174	52.955	24.187	14.537	1.00	107.23	F
	ATOM 19329 CA LYS F 164	64.192	27.419	26.259	1.00	175.79	F	ATOM 19414 CE2 TYR F 174	52.844	24.666	15.846	1.00	107.23	F
	ATOM 19330 CB LYS F 164	63.385	26.275	26.881	1.00	105.07	F	ATOM 19415 CZ TYR F 174	53.943	25.273	16.446	1.00	107.23	F
	ATOM 19331 CG LYS F 164	61.976	26.145	26.329	1.00	104.82	F	ATOM 19416 OH TYR F 174	53.851	25.757	17.733	1.00	107.23	F
	ATOM 19332 CD LYS F 164	61.158	27.402	26.624	1.00	104.82	F	ATOM 19417 C TYR F 174	54.259	21.884	10.841	1.00	71.23	F
	ATOM 19333 CE LYS F 164	59.728	27.296	26.109	1.00	104.82	F	ATOM 19418 O TYR F 174	55.247	21.973	10.107	1.00	71.23	F
	ATOM 19334 NZ LYS F 164	58.907	28.474	26.514	1.00	104.82	F	ATOM 19419 N ASP F 175	53.061	21.454	10.442	1.00	74.88	F
	ATOM 19335 C LYS F 164	64.970	28.151	27.338	1.00	175.79	F	ATOM 19420 CA ASP F 175	52.755	21.077	9.066	1.00	74.88	F
15	ATOM 19336 O LYS F 164	66.118	28.537	27.119	1.00	175.79	F	ATOM 19421 CB ASP F 175	52.184	19.655	9.010	1.00	116.75	F
	ATOM 19337 N ASP F 165	64.353	28.354	28.497	1.00	190.41	F	ATOM 19422 CG ASP F 175	51.964	19.162	7.584	1.00	104.96	F
	ATOM 19338 CA ASP F 165	65.043	29.022	29.591	1.00	190.41	F	ATOM 19423 OD1 ASP F 175	51.671	19.988	6.697	1.00	104.96	F
	ATOM 19339 CB ASP F 165	64.099	29.222	30.788	1.00	158.84	F	ATOM 19424 OD2 ASP F 175	52.065	17.942	7.348	1.00	104.96	F
	ATOM 19340 CG ASP F 165	63.345	27.954	31.169	1.00	158.84	F	ATOM 19425 C ASP F 175	51.694	22.079	8.609	1.00	74.88	F
	ATOM 19341 OD1 ASP F 165	63.989	26.969	31.592	1.00	158.84	F	ATOM 19426 O ASP F 175	50.574	22.087	9.125	1.00	74.88	F
	ATOM 19342 OD2 ASP F 165	62.100	27.944	31.048	1.00	158.84	F	ATOM 19427 N HIS F 176	52.050	22.928	7.652	1.00	84.68	F
	ATOM 19343 C ASP F 165	66.226	28.139	29.971	1.00	190.41	F	ATOM 19428 CA HIS F 176	51.122	23.931	7.145	1.00	84.68	F
	ATOM 19344 O ASP F 165	66.958	27.664	29.102	1.00	190.41	F	ATOM 19429 CB HIS F 176	51.669	25.342	7.394	1.00	113.68	F
	ATOM 19345 N ASP F 166	66.423	27.900	31.257	1.00	128.56	F	ATOM 19430 CG HIS F 176	51.570	25.801	8.816	1.00	82.81	F
	ATOM 19346 CA ASP F 166	67.538	27.061	31.653	1.00	128.56	F	ATOM 19431 CD2 HIS F 176	52.528	26.020	9.748	1.00	82.81	F
20	ATOM 19347 CB ASP F 166	68.153	27.591	32.946	1.00	183.14	F	ATOM 19432 ND1 HIS F 176	50.372	26.133	9.411	1.00	82.81	F
	ATOM 19348 CG ASP F 166	68.786	28.955	32.761	1.00	183.14	F	ATOM 19433 CE1 HIS F 176	50.596	26.540	10.648	1.00	82.81	F
	ATOM 19349 OD1 ASP F 166	68.060	29.904	32.394	1.00	183.14	F	ATOM 19434 NE2 HIS F 176	51.896	26.481	10.876	1.00	82.81	F
	ATOM 19350 OD2 ASP F 166	70.010	29.077	32.973	1.00	183.14	F	ATOM 19435 C HIS F 176	50.834	23.805	5.653	1.00	84.68	F
	ATOM 19351 C ASP F 166	67.165	25.592	31.798	1.00	128.56	F	ATOM 19436 O HIS F 176	51.753	23.791	4.833	1.00	84.68	F
	ATOM 19352 O ASP F 166	66.289	25.230	32.592	1.00	128.56	F	ATOM 19437 N TYR F 177	49.553	23.703	5.312	1.00	85.03	F
	ATOM 19353 N GLY F 167	67.821	24.752	31.001	1.00	132.34	F	ATOM 19438 CA TYR F 177	49.126	23.663	3.919	1.00	85.03	F
	ATOM 19354 CA GLY F 167	67.565	23.330	31.083	1.00	132.34	F	ATOM 19439 CB TYR F 177	48.016	22.643	3.705	1.00	99.56	F
	ATOM 19355 C GLY F 167	67.517	22.493	29.821	1.00	132.34	F	ATOM 19440 CG TYR F 177	47.509	22.667	2.288	1.00	92.57	F
	ATOM 19356 O GLY F 167	68.481	22.387	29.057	1.00	132.34	F	ATOM 19441 CD1 TYR F 177	48.320	22.523	1.237	1.00	92.57	F
	ATOM 19357 N LEU F 168	66.356	21.885	29.633	1.00	158.15	F	ATOM 19442 CE1 TYR F 177	47.886	22.329	-0.080	1.00	92.57	F
25	ATOM 19358 CA LEU F 168	66.082	20.995	28.523	1.00	158.15	F	ATOM 19443 CD2 TYR F 177	46.242	23.158	1.987	1.00	92.57	F
	ATOM 19359 CB LEU F 168	64.808	20.210	28.842	1.00	135.04	F	ATOM 19444 CE2 TYR F 177	45.797	23.241	0.672	1.00	92.57	F
	ATOM 19360 CG LEU F 168	64.589	19.996	30.346	1.00	135.04	F	ATOM 19445 CZ TYR F 177	46.624	22.824	-0.357	1.00	92.57	F
	ATOM 19361 CD1 LEU F 168	63.235	19.357	30.594	1.00	135.04	F	ATOM 19446 OH TYR F 177	46.192	22.907	-1.663	1.00	92.57	F
	ATOM 19362 CD2 LEU F 168	65.710	19.135	30.909	1.00	135.04	F	ATOM 19447 C TYR F 177	48.566	25.071	3.731	1.00	85.03	F
	ATOM 19363 C LEU F 168	65.931	21.704	27.183	1.00	158.15	F	ATOM 19448 O TYR F 177	47.563	25.419	4.352	1.00	85.03	F
	ATOM 19364 O LEU F 168	65.919	22.933	27.102	1.00	158.15	F	ATOM 19449 N ASN F 178	49.193	25.881	2.880	1.00	99.21	F
	ATOM 19365 N TYR F 169	65.830	20.902	26.131	1.00	99.39	F	ATOM 19450 CA ASN F 178	48.756	27.269	2.717	1.00	99.21	F
	ATOM 19366 CA TYR F 169	65.648	21.413	24.787	1.00	99.39	F	ATOM 19451 CB ASN F 178	47.289	27.367	2.275	1.00	97.73	F
	ATOM 19367 CB TYR F 169	66.636	20.761	23.825	1.00	96.43	F	ATOM 19452 CG ASN F 178	47.093	27.015	0.816	1.00	90.20	F
	ATOM 19368 CG TYR F 169	68.068	21.168	24.032	1.00	96.43	F	ATOM 19453 OD1 ASN F 178	48.057	26.907	0.061	1.00	90.20	F
30	ATOM 19369 CD1 TYR F 169	68.821	20.638	25.072	1.00	96.43	F	ATOM 19454 ND2 ASN F 178	45.838	26.849	0.407	1.00	90.20	F
	ATOM 19370 CE1 TYR F 169	70.149	21.011	25.254	1.00	96.43	F	ATOM 19455 C ASN F 178	48.907	27.835	4.123	1.00	99.21	F
	ATOM 19371 CD2 TYR F 169	68.672	22.084	23.176	1.00	96.43	F	ATOM 19456 O ASN F 178	49.921	27.599	4.777	1.00	99.21	F
	ATOM 19372 CE2 TYR F 169	69.993	22.466	23.345	1.00	96.43	F	ATOM 19457 N ASP F 179	47.907	28.560	4.604	1.00	101.68	F
	ATOM 19373 CZ TYR F 169	70.729	21.927	24.385	1.00	96.43	F	ATOM 19458 CA ASP F 179	47.988	29.101	5.951	1.00	101.68	F
	ATOM 19374 OH TYR F 169	72.041	22.311	24.546	1.00	96.43	F	ATOM 19459 CB ASP F 179	47.458	30.546	5.990	1.00	74.50	F
	ATOM 19375 C TYR F 169	64.235	21.055	24.360	1.00	99.39	F	ATOM 19460 CG ASP F 179	46.037	30.678	5.447	1.00	78.45	F
	ATOM 19376 O TYR F 169	63.867	19.881	24.368	1.00	99.39	F	ATOM 19461 OD1 ASP F 179	45.415	29.658	5.074	1.00	78.45	F
	ATOM 19377 N ASP F 170	63.436	22.057	24.010	1.00	82.73	F	ATOM 19462 OD2 ASP F 179	45.537	31.819	5.396	1.00	78.45	F
	ATOM 19378 CA ASP F 170	62.079	21.784	23.562	1.00	82.73	F	ATOM 19463 C ASP F 179	47.227	28.221	6.947	1.00	101.68	F

65251/C766

1	ATOM 19474 N LEU F 181	46.931	25.116	9.487	1.00	79.33	F	ATOM 19559 CA THR F 191	57.944	10.100	27.676	1.00	124.21	F
	ATOM 19475 CA LEU F 181	47.700	24.183	10.297	1.00	79.33	F	ATOM 19560 CB THR F 191	56.751	10.033	26.713	1.00	114.85	F
	ATOM 19476 CB LEU F 181	47.588	24.539	11.779	1.00	82.02	F	ATOM 19561 OG1 THR F 191	55.537	9.926	27.463	1.00	114.85	F
	ATOM 19477 CG LEU F 181	48.262	23.535	12.713	1.00	69.45	F	ATOM 19562 CG2 THR F 191	56.876	8.835	25.802	1.00	114.85	F
	ATOM 19478 CD1 LEU F 181	49.756	23.477	12.406	1.00	69.45	F	ATOM 19563 C THR F 191	59.224	9.996	26.850	1.00	124.21	F
	ATOM 19479 CD2 LEU F 181	48.013	23.932	14.160	1.00	69.45	F	ATOM 19564 O THR F 191	59.668	8.893	26.527	1.00	124.21	F
	ATOM 19480 C LEU F 181	47.133	22.782	10.054	1.00	79.33	F	ATOM 19565 N ARG F 192	59.800	11.139	26.495	1.00	114.81	F
	ATOM 19481 O LEU F 181	45.918	22.573	10.104	1.00	79.33	F	ATOM 19566 CA ARG F 192	61.028	11.179	25.703	1.00	114.81	F
	ATOM 19482 N VAL F 182	48.010	21.826	9.777	1.00	95.52	F	ATOM 19567 CB ARG F 192	62.066	10.208	26.274	1.00	118.10	F
5	ATOM 19483 CA VAL F 182	47.572	20.461	9.525	1.00	95.52	F	ATOM 19568 CG ARG F 192	62.561	10.604	27.645	1.00	118.10	F
	ATOM 19484 CB VAL F 182	48.175	19.926	8.218	1.00	119.01	F	ATOM 19569 CD ARG F 192	63.153	12.001	27.611	1.00	118.10	F
	ATOM 19485 CG1 VAL F 182	47.750	18.485	7.997	1.00	97.49	F	ATOM 19570 NE ARG F 192	63.459	12.500	28.949	1.00	118.10	F
	ATOM 19486 CG2 VAL F 182	47.736	20.796	7.061	1.00	97.49	F	ATOM 19571 CZ ARG F 192	64.374	11.971	29.755	1.00	118.10	F
	ATOM 19487 C VAL F 182	47.980	19.532	10.660	1.00	95.52	F	ATOM 19572 NH1 ARG F 192	65.084	10.922	29.359	1.00	118.10	F
	ATOM 19488 O VAL F 182	47.215	18.652	11.064	1.00	95.52	F	ATOM 19573 NH2 ARG F 192	64.576	12.487	30.960	1.00	118.10	F
	ATOM 19489 N THR F 183	49.188	19.742	11.175	1.00	63.20	F	ATOM 19574 C ARG F 192	60.834	10.903	24.216	1.00	114.81	F
	ATOM 19490 CA THR F 183	49.715	18.911	12.245	1.00	63.20	F	ATOM 19575 O ARG F 192	61.728	10.372	23.559	1.00	114.81	F
	ATOM 19491 CB THR F 183	50.483	17.694	11.682	1.00	103.18	F	ATOM 19576 N HIS F 193	59.663	11.257	23.694	1.00	116.71	F
	ATOM 19492 OG1 THR F 183	49.576	16.833	10.986	1.00	89.77	F	ATOM 19577 CA HIS F 193	59.364	11.093	22.276	1.00	116.71	F
	ATOM 19493 CG2 THR F 183	51.162	16.917	12.800	1.00	89.77	F	ATOM 19578 CB HIS F 193	58.928	9.650	21.968	1.00	130.39	F
10	ATOM 19494 C THR F 183	50.683	19.653	13.144	1.00	63.20	F	ATOM 19579 CG HIS F 193	57.559	9.293	22.455	1.00	130.39	F
	ATOM 19495 O THR F 183	51.504	20.451	12.676	1.00	63.20	F	ATOM 19580 CD2 HIS F 193	56.511	10.061	22.836	1.00	130.39	F
	ATOM 19496 N LYS F 184	50.572	19.392	14.441	1.00	84.94	F	ATOM 19581 ND1 HIS F 193	57.124	7.988	22.532	1.00	130.39	F
	ATOM 19497 CA LYS F 184	51.489	19.971	15.403	1.00	84.94	F	ATOM 19582 CE1 HIS F 193	55.867	7.967	22.937	1.00	130.39	F
	ATOM 19498 CB LYS F 184	50.820	20.988	16.319	1.00	99.71	F	ATOM 19583 NE2 HIS F 193	55.471	9.212	23.128	1.00	130.39	F
	ATOM 19499 CG LYS F 184	51.810	21.534	17.338	1.00	91.55	F	ATOM 19584 C HIS F 193	58.283	12.110	21.915	1.00	116.71	F
	ATOM 19500 CD LYS F 184	51.171	22.471	18.338	1.00	91.55	F	ATOM 19585 O HIS F 193	57.712	12.733	22.806	1.00	116.71	F
	ATOM 19501 CE LYS F 184	52.183	22.913	19.385	1.00	91.55	F	ATOM 19586 N GLY F 194	58.002	12.291	20.629	1.00	90.52	F
	ATOM 19502 NZ LYS F 184	51.565	23.761	20.443	1.00	91.55	F	ATOM 19587 CA GLY F 194	57.005	13.275	20.239	1.00	90.52	F
	ATOM 19503 C LYS F 184	52.008	18.823	16.242	1.00	84.94	F	ATOM 19588 C GLY F 194	55.559	12.845	20.387	1.00	90.52	F
	ATOM 19504 O LYS F 184	51.245	17.967	16.694	1.00	84.94	F	ATOM 19589 O GLY F 194	55.269	11.656	20.487	1.00	90.52	F
15	ATOM 19505 N ILE F 185	53.317	18.795	16.425	1.00	65.30	F	ATOM 19590 N ASN F 195	54.652	13.819	20.418	1.00	92.73	F
	ATOM 19506 CA ILE F 185	53.944	17.755	17.220	1.00	65.30	F	ATOM 19591 CA ASN F 195	53.218	13.552	20.520	1.00	92.73	F
	ATOM 19507 CB ILE F 185	54.659	16.723	16.324	1.00	115.19	F	ATOM 19592 CB ASN F 195	52.682	13.827	21.928	1.00	124.37	F
	ATOM 19508 CG2 ILE F 185	55.539	15.809	17.167	1.00	84.11	F	ATOM 19593 CG ASN F 195	53.171	12.836	22.951	1.00	124.37	F
	ATOM 19509 CG1 ILE F 185	53.620	15.903	15.558	1.00	84.11	F	ATOM 19594 OD1 ASN F 195	53.171	11.628	22.718	1.00	124.37	F
	ATOM 19510 CD1 ILE F 185	54.221	14.976	14.519	1.00	84.11	F	ATOM 19595 ND2 ASN F 195	53.572	13.342	24.110	1.00	124.37	F
	ATOM 19511 C ILE F 185	54.955	18.410	18.157	1.00	65.30	F	ATOM 19596 C ASN F 195	52.485	14.478	19.566	1.00	92.73	F
	ATOM 19512 O ILE F 185	55.654	19.358	17.779	1.00	65.30	F	ATOM 19597 O ASN F 195	52.846	15.648	19.439	1.00	92.73	F
	ATOM 19513 N SER F 186	55.004	17.930	19.395	1.00	84.41	F	ATOM 19598 N VAL F 196	51.460	13.967	18.896	1.00	118.41	F
	ATOM 19514 CA SER F 186	55.948	18.467	20.362	1.00	84.41	F	ATOM 19599 CA VAL F 196	50.693	14.810	17.994	1.00	118.41	F
	ATOM 19515 CB SER F 186	55.261	19.473	21.292	1.00	132.14	F	ATOM 19600 CB VAL F 196	49.887	13.987	16.980	1.00	101.50	F
20	ATOM 19516 OG SER F 186	54.020	18.982	21.755	1.00	121.25	F	ATOM 19601 CG1 VAL F 196	49.049	14.915	16.121	1.00	101.50	F
	ATOM 19517 C SER F 186	56.606	17.342	21.152	1.00	84.41	F	ATOM 19602 CG2 VAL F 196	50.823	13.171	16.113	1.00	101.50	F
	ATOM 19518 O SER F 186	56.036	16.256	21.329	1.00	84.41	F	ATOM 19603 C VAL F 196	49.719	15.589	18.860	1.00	118.41	F
	ATOM 19519 N TYR F 187	57.827	17.607	21.597	1.00	86.97	F	ATOM 19604 O VAL F 196	48.869	14.999	19.523	1.00	118.41	F
	ATOM 19520 CA TYR F 187	58.596	16.629	22.340	1.00	86.97	F	ATOM 19605 N ASN F 197	49.851	16.910	18.868	1.00	109.92	F
	ATOM 19521 CB TYR F 187	60.070	17.007	22.317	1.00	134.73	F	ATOM 19606 CA ASN F 197	48.969	17.750	19.672	1.00	109.92	F
	ATOM 19522 CG TYR F 187	60.946	15.963	22.943	1.00	88.94	F	ATOM 19607 CB ASN F 197	49.699	18.996	20.164	1.00	118.36	F
	ATOM 19523 CD1 TYR F 187	61.149	14.738	22.319	1.00	88.94	F	ATOM 19608 CG ASN F 197	51.046	18.685	20.747	1.00	118.36	F
	ATOM 19524 CE1 TYR F 187	61.950	13.760	22.900	1.00	88.94	F	ATOM 19609 OD1 ASN F 197	51.185	17.775	21.564	1.00	118.36	F
	ATOM 19525 CD2 TYR F 187	61.563	16.190	24.169	1.00	88.94	F	ATOM 19610 ND2 ASN F 197	52.056	19.447	20.338	1.00	118.36	F
	ATOM 19526 CE2 TYR F 187	62.365	15.220	24.761	1.00	88.94	F	ATOM 19611 C ASN F 197	47.774	18.199	18.857	1.00	109.92	F
	ATOM 19527 CZ TYR F 187	62.557	14.006	24.121	1.00	88.94	F	ATOM 19612 O ASN F 197	46.682	18.387	19.387	1.00	109.92	F
25	ATOM 19528 OH TYR F 187	63.361	13.041	24.690	1.00	88.94	F	ATOM 19613 N PHE F 198	47.990	18.375	17.561	1.00	102.23	F
	ATOM 19529 C TYR F 187	58.129	16.518	23.780	1.00	86.97	F	ATOM 19614 CA PHE F 198	46.930	18.829	16.688	1.00	102.23	F
	ATOM 19530 O TYR F 187	58.149	17.498	24.524	1.00	86.97	F	ATOM 19615 CB PHE F 198	47.070	20.329	16.452	1.00	101.15	F
	ATOM 19531 N ASN F 188	57.712	15.315	24.160	1.00	140.25	F	ATOM 19616 CG PHE F 198	45.985	20.902	15.599	1.00	101.15	F
	ATOM 19532 CA ASN F 188	57.239	15.036	25.510	1.00	140.25	F	ATOM 19617 CD1 PHE F 198	44.824	21.403	16.172	1.00	101.15	F
	ATOM 19533 CB ASN F 188	56.253	13.870	25.466	1.00	200.84	F	ATOM 19618 CD2 PHE F 198	46.104	20.901	14.213	1.00	101.15	F
	ATOM 19534 CG ASN F 188	55.680	13.545	26.820	1.00	118.55	F	ATOM 19619 CE1 PHE F 198	43.795	21.892	15.381	1.00	101.15	F
	ATOM 19535 OD1 ASN F 188	56.416	13.349	27.786	1.00	118.55	F	ATOM 19620 CE2 PHE F 198	45.078	21.388	13.410	1.00	101.15	F
	ATOM 19536 ND2 ASN F 188	54.358	13.479	26.901	1.00	118.55	F	ATOM 19621 CZ PHE F 198	43.922	21.884	13.995	1.00	101.15	F
	ATOM 19537 C ASN F 188	58.437	14.674	26.389	1.00	140.25	F	ATOM 19622 C PHE F 198	46.925	18.126	15.344	1.00	102.23	F
	ATOM 19538 O ASN F 188	59.053	13.625	26.200	1.00	140.25	F	ATOM 19623 O PHE F 198	47.974	17.791	14.797	1.00	102.23	F
30	ATOM 19539 N HIS F 189	58.763	15.533	27.351	1.00	102.72	F	ATOM 19624 N ARG F 199	45.728	17.915	14.816	1.00	103.86	F
	ATOM 19540 CA HIS F 189	59.907	15.291	28.228	1.00	102.72	F	ATOM 19625 CA ARG F 199	45.564	17.292	13.517	1.00	103.86	F
	ATOM 19541 CB HIS F 189	60.222	16.557	29.004	1.00	142.88	F	ATOM 19626 CB ARG F 199	45.441	15.777	13.630	1.00	88.07	F
	ATOM 19542 CG HIS F 189	60.841	17.615	28.157	1.00	103.42	F	ATOM 19627 CG ARG F 199	45.235	15.134	12.267	1.00	88.07	F
	ATOM 19543 CD2 HIS F 189	60.311	18.713	27.569	1.00	103.42	F	ATOM 19628 CD ARG F 199	46.527	15.132	11.465	1.00	88.07	F
	ATOM 19544 ND1 HIS F 189	62.158	17.561	27.755	1.00	103.42	F	ATOM 19629 NE ARG F 199	47.186	13.834	11.581	1.00	88.07	F
	ATOM 19545 CE1 HIS F 189	62.413	18.581	26.954	1.00	103.42	F	ATOM 19630 CZ ARG F 199	48.498	13.654	11.683	1.00	88.07	F
	ATOM 19546 NE2 HIS F 189	61.308	19.295	26.825	1.00	103.42	F	ATOM 19631 NH1 ARG F 199	49.316	14.695	11.687	1.00	88.07	F
	ATOM 19547 C HIS F 189	59.761	14.115	29.180	1.00	102.72	F	ATOM 19632 NH2 ARG F 199	48.993	12.426	11.787	1.00	88.07	F
	ATOM 19548 O HIS F 189	60.751	13.494	29.574	1.00	102.72	F	ATOM 19633 C ARG F 199	44.296	17.838	12.894	1.		

65251/C766

1	ATOM 19642 CB ASP F 201	38.592	17.957	11.247	1.00126.05	F	ATOM 19727 C HIS F 210	54.322	11.810	1.769	1.00 67.08	F
	ATOM 19643 CG ASP F 201	38.403	19.348	10.670	1.00126.05	F	ATOM 19728 O HIS F 210	55.314	12.537	1.753	1.00 67.08	F
	ATOM 19644 ODI ASP F 201	39.170	20.260	11.055	1.00126.05	F	ATOM 19729 N THR F 211	53.462	11.790	2.781	1.00 74.83	F
	ATOM 19645 OD2 ASP F 201	37.498	19.528	9.825	1.00126.05	F	ATOM 19730 CA THR F 211	53.708	12.586	3.973	1.00 74.83	F
	ATOM 19646 C ASP F 201	39.769	16.838	9.355	1.00122.99	F	ATOM 19731 CB THR F 211	52.417	12.904	4.723	1.00 65.95	F
	ATOM 19647 O ASP F 201	39.314	15.720	9.113	1.00122.99	F	ATOM 19732 OG1 THR F 211	51.579	13.718	3.896	1.00 65.95	F
	ATOM 19648 N TRP F 202	40.160	17.676	8.397	1.00104.82	F	ATOM 19733 CG2 THR F 211	52.725	13.658	6.007	1.00 65.95	F
	ATOM 19649 CA TRP F 202	40.042	17.323	6.980	1.00104.82	F	ATOM 19734 C THR F 211	54.549	11.619	4.796	1.00 74.83	F
	ATOM 19650 CB TRP F 202	39.859	18.581	6.128	1.00 97.26	F	ATOM 19735 O THR F 211	54.143	10.481	5.014	1.00 74.83	F
5	ATOM 19651 CG TRP F 202	40.916	19.634	6.321	1.00 97.26	F	ATOM 19736 N PRO F 212	55.738	12.050	5.245	1.00 81.46	F
	ATOM 19652 CD2 TRP F 202	42.160	19.745	5.618	1.00 97.26	F	ATOM 19737 CD PRO F 212	56.262	13.423	5.110	1.00 66.17	F
	ATOM 19653 CE2 TRP F 202	42.807	20.910	6.094	1.00 97.26	F	ATOM 19738 CA PRO F 212	56.649	11.209	6.040	1.00 81.46	F
	ATOM 19654 CE3 TRP F 202	42.791	18.976	4.633	1.00 97.26	F	ATOM 19739 CB PRO F 212	57.681	12.210	6.549	1.00 66.17	F
	ATOM 19655 CD1 TRP F 202	40.864	20.700	7.173	1.00 97.26	F	ATOM 19740 CG PRO F 212	57.721	13.242	5.433	1.00 66.17	F
	ATOM 19656 NE1 TRP F 202	41.994	21.473	7.040	1.00 97.26	F	ATOM 19741 C PRO F 212	55.996	10.415	7.175	1.00 81.46	F
	ATOM 19657 CZ2 TRP F 202	44.052	21.324	5.616	1.00 97.26	F	ATOM 19742 O PRO F 212	55.113	10.922	7.863	1.00 81.46	F
	ATOM 19658 CZ3 TRP F 202	44.031	19.388	4.159	1.00 97.26	F	ATOM 19743 N GLY F 213	56.438	9.172	7.366	1.00 77.47	F
	ATOM 19659 CH2 TRP F 202	44.647	20.553	4.652	1.00 97.26	F	ATOM 19744 CA GLY F 213	55.898	8.331	8.429	1.00 77.47	F
	ATOM 19660 C TRP F 202	41.188	16.518	6.384	1.00104.82	F	ATOM 19745 C GLY F 213	56.571	8.576	9.775	1.00 77.47	F
	ATOM 19661 O TRP F 202	41.099	16.060	5.248	1.00104.82	F	ATOM 19746 O GLY F 213	57.467	9.417	9.881	1.00 77.47	F
10	ATOM 19662 N PHE F 203	42.259	16.338	7.145	1.00112.60	F	ATOM 19747 N ASN F 214	56.156	7.839	10.803	1.00 96.63	F
	ATOM 19663 CA PHE F 203	43.420	15.615	6.652	1.00112.60	F	ATOM 19748 CA ASN F 214	56.716	7.999	12.151	1.00 96.63	F
	ATOM 19664 CB PHE F 203	44.687	16.361	7.072	1.00 94.83	F	ATOM 19749 CB ASN F 214	58.214	7.702	12.194	1.00105.27	F
	ATOM 19665 CG PHE F 203	45.945	15.824	6.458	1.00 94.83	F	ATOM 19750 CG ASN F 214	58.598	6.549	11.324	1.00 99.44	F
	ATOM 19666 CD1 PHE F 203	46.193	15.984	5.098	1.00 94.83	F	ATOM 19751 ODI ASN F 214	57.749	5.763	10.917	1.00 99.44	F
	ATOM 19667 CD2 PHE F 203	46.892	15.170	7.241	1.00 94.83	F	ATOM 19752 ND2 ASN F 214	59.888	6.429	11.032	1.00 99.44	F
	ATOM 19668 CE1 PHE F 203	47.367	15.504	4.525	1.00 94.83	F	ATOM 19753 C ASN F 214	56.526	9.437	12.574	1.00 96.63	F
	ATOM 19669 CE2 PHE F 203	48.068	14.686	6.680	1.00 94.83	F	ATOM 19754 O ASN F 214	57.473	10.091	13.025	1.00 96.63	F
	ATOM 19670 CZ PHE F 203	48.306	14.855	5.319	1.00 94.83	F	ATOM 19755 N ASP F 215	55.302	9.930	12.423	1.00 80.65	F
	ATOM 19671 C PHE F 203	43.505	14.172	7.130	1.00112.60	F	ATOM 19756 CA ASP F 215	55.000	11.303	12.777	1.00 80.65	F
	ATOM 19672 O PHE F 203	43.817	13.917	8.292	1.00112.60	F	ATOM 19757 CB ASP F 215	54.912	11.453	14.292	1.00171.65	F
	ATOM 19673 N ASN F 204	43.212	13.232	6.237	1.00 80.80	F	ATOM 19758 CG ASP F 215	53.899	10.518	14.899	1.00 93.03	F
15	ATOM 19674 CA ASN F 204	43.312	11.813	6.572	1.00 80.80	F	ATOM 19759 ODI ASP F 215	52.723	10.557	14.480	1.00 93.03	F
	ATOM 19675 CB ASN F 204	42.265	10.982	5.806	1.00113.91	F	ATOM 19760 OD2 ASP F 215	54.282	9.741	15.793	1.00 93.03	F
	ATOM 19676 CG ASN F 204	42.505	9.476	5.922	1.00113.91	F	ATOM 19761 C ASP F 215	56.085	12.210	12.223	1.00 80.65	F
	ATOM 19677 ODI ASN F 204	43.517	8.977	5.441	1.00113.91	F	ATOM 19762 O ASP F 215	56.825	12.852	12.974	1.00 80.65	F
	ATOM 19678 ND2 ASN F 204	41.596	8.756	6.578	1.00113.91	F	ATOM 19763 N TYR F 216	56.190	12.224	10.898	1.00 53.58	F
	ATOM 19679 C ASN F 204	44.722	11.445	6.128	1.00 80.80	F	ATOM 19764 CA TYR F 216	57.156	13.062	10.198	1.00 53.58	F
	ATOM 19680 O ASN F 204	44.969	11.241	4.946	1.00 80.80	F	ATOM 19765 CB TYR F 216	56.770	14.540	10.349	1.00107.15	F
	ATOM 19681 N ILE F 205	45.651	11.381	7.076	1.00 98.70	F	ATOM 19766 CG TYR F 216	55.337	14.844	9.972	1.00 85.90	F
	ATOM 19682 CA ILE F 205	47.041	11.071	6.757	1.00 98.70	F	ATOM 19767 CD1 TYR F 216	54.278	14.373	10.744	1.00 85.90	F
	ATOM 19683 CB ILE F 205	47.916	11.054	8.026	1.00 68.31	F	ATOM 19768 CE1 TYR F 216	52.957	14.625	10.391	1.00 85.90	F
	ATOM 19684 CG2 ILE F 205	47.792	9.716	8.729	1.00 68.31	F	ATOM 19769 CD2 TYR F 216	55.039	15.584	8.829	1.00 85.90	F
20	ATOM 19685 CG1 ILE F 205	49.372	11.314	7.644	1.00 68.31	F	ATOM 19770 CE2 TYR F 216	53.721	15.845	8.466	1.00 85.90	F
	ATOM 19686 CD1 ILE F 205	50.230	11.758	8.807	1.00 68.31	F	ATOM 19771 CZ TYR F 216	52.683	15.360	9.252	1.00 85.90	F
	ATOM 19687 C ILE F 205	47.244	9.758	6.001	1.00 98.70	F	ATOM 19772 OH TYR F 216	51.377	15.607	8.894	1.00 85.90	F
	ATOM 19688 O ILE F 205	48.298	9.541	5.404	1.00 98.70	F	ATOM 19773 C TYR F 216	58.598	12.878	10.650	1.00 53.58	F
	ATOM 19689 N SER F 206	46.243	8.884	6.024	1.00 99.02	F	ATOM 19774 O TYR F 216	59.370	13.845	10.658	1.00 53.58	F
	ATOM 19690 CA SER F 206	46.345	7.612	5.316	1.00 99.02	F	ATOM 19775 N ASN F 217	58.962	11.647	11.013	1.00 74.71	F
	ATOM 19691 CB SER F 206	45.281	6.634	5.807	1.00 97.09	F	ATOM 19776 CA ASN F 217	60.320	11.351	11.471	1.00 74.71	F
	ATOM 19692 OG SER F 206	45.511	6.292	7.159	1.00 97.09	F	ATOM 19777 CB ASN F 217	61.311	11.469	10.311	1.00 88.62	F
	ATOM 19693 C SER F 206	46.184	7.825	3.818	1.00 99.02	F	ATOM 19778 CG ASN F 217	61.020	10.492	9.195	1.00 83.35	F
	ATOM 19694 O SER F 206	46.605	7.000	3.016	1.00 99.02	F	ATOM 19779 ODI ASN F 217	60.834	10.885	8.040	1.00 83.35	F
25	ATOM 19695 N ARG F 207	45.570	8.940	3.443	1.00 86.38	F	ATOM 19780 ND2 ASN F 217	60.980	9.206	9.531	1.00 83.35	F
	ATOM 19696 CA ARG F 207	45.369	9.250	2.038	1.00 86.38	F	ATOM 19781 C ASN F 217	60.706	12.340	12.563	1.00 74.71	F
	ATOM 19697 CB ARG F 207	44.032	9.969	1.832	1.00103.28	F	ATOM 19782 O ASN F 217	61.858	12.774	12.646	1.00 74.71	F
	ATOM 19698 CG ARG F 207	42.828	9.052	1.953	1.00103.28	F	ATOM 19783 N PHE F 218	59.739	12.692	13.406	1.00 78.58	F
	ATOM 19699 CD ARG F 207	41.678	9.535	1.088	1.00103.28	F	ATOM 19784 CA PHE F 218	59.989	13.658	14.467	1.00 78.58	F
	ATOM 19700 NE ARG F 207	40.981	10.685	1.656	1.00103.28	F	ATOM 19785 CB PHE F 218	58.722	13.947	15.262	1.00 71.53	F
	ATOM 19701 CZ ARG F 207	40.312	11.576	0.932	1.00103.28	F	ATOM 19786 CG PHE F 218	58.910	15.016	16.285	1.00 68.05	F
	ATOM 19702 NH1 ARG F 207	40.257	11.451	-0.387	1.00103.28	F	ATOM 19787 CD1 PHE F 218	58.838	16.358	15.931	1.00 68.05	F
	ATOM 19703 NH2 ARG F 207	39.690	12.586	1.525	1.00103.28	F	ATOM 19788 CD2 PHE F 218	59.228	14.685	17.595	1.00 68.05	F
	ATOM 19704 C ARG F 207	46.502	10.100	1.486	1.00 86.38	F	ATOM 19789 CE1 PHE F 218	59.084	17.363	16.873	1.00 68.05	F
	ATOM 19705 O ARG F 207	46.406	10.611	0.374	1.00 86.38	F	ATOM 19790 CE2 PHE F 218	59.478	15.680	18.543	1.00 68.05	F
	ATOM 19706 N SER F 208	47.574	10.253	2.263	1.00 73.01	F	ATOM 19791 CZ PHE F 218	59.405	17.022	18.177	1.00 68.05	F
30	ATOM 19707 CA SER F 208	48.728	11.038	1.825	1.00 73.01	F	ATOM 19792 C PHE F 218	61.082	13.261	15.442	1.00 78.58	F
	ATOM 19708 CB SER F 208	48.853	12.324	2.631	1.00 87.33	F	ATOM 19793 O PHE F 218	62.002	14.033	15.690	1.00 78.58	F
	ATOM 19709 OG SER F 208	49.916	13.106	2.123	1.00 87.33	F	ATOM 19794 N ASN F 219	60.974	12.068	16.014	1.00 71.57	F
	ATOM 19710 C SER F 208	50.008	10.232	1.965	1.00 73.01	F	ATOM 19795 CA ASN F 219	61.983	11.628	16.963	1.00 71.57	F
	ATOM 19711 O SER F 208	50.853	10.515	2.814	1.00 73.01	F	ATOM 19796 CB ASN F 219	61.716	10.195	17.415	1.00 71.18	F
	ATOM 19712 N PRO F 209	50.166	9.219	1.110	1.00 69.79	F	ATOM 19797 CG ASN F 219	60.358	10.037	18.059	1.00 62.81	F
	ATOM 19713 CD PRO F 209	49.232	8.966	0.002	1.00 88.90	F	ATOM 19798 ODI ASN F 219	59.875	10.940	18.744	1.00 62.81	F
	ATOM 19714 CA PRO F 209	51.299	8.297	1.041	1.00 69.79	F	ATOM 19799 ND2 ASN F 219	59.738	8.884	17.856	1.00 62.81	F
	ATOM 19715 CB PRO F 209	51.088	7.598	-0.297	1.00 88.90	F	ATOM 19800 C ASN F 219	63.362	11.727	16.334	1.00 71.57	F
	ATOM 19716 CG PRO F 209	49.616	7.574	-0.420	1.00 88.90	F	ATOM 19801 O ASN F 219	64.301	12.210	16.968	1.00 71.57	F
	ATOM 19717 C PRO F 209	52.664	8.963	1.102	1.00 69.79	F	ATOM 19802 N PHE F 220	63.481	11.281	15.084	1.00 58.80	F
	ATOM 19718 O PRO F 209	53.633	8.363	1.567	1.00 69.79	F	ATOM 19803 CA PHE F 220	64.762	11.341	14.387	1.00 58.80	F
35	ATOM 19719 N HIS F 210	52.744	10.202	0.634	1.00 67.08	F	ATOM 19804 CB PHE F 220	64.624	10.827	12.951	1.00 66.19	F
	ATOM 19720 CA HIS F 210	54.021	10.885	0.605	1.00 67.08	F	ATOM 19805 CG PHE F 220	65.816	11.146	12.084	1.00 59.17	F
	ATOM 19721 CB HIS F 210	54.158	11.597	-0.733	1.00 68.07	F	ATOM 19806 CD1 PHE F 220	66.953	10.338	12.110	1.00 59.17	F

65251/C766

1	ATOM 19812 O PHE F 220	66.433	13.027	14.774	1.00	58.80	F	ATOM 19897 CG GLU F 230	73.380	19.879	22.728	1.00	111.14	F
	ATOM 19813 N TRP F 221	64.507	13.689	13.813	1.00	70.44	F	ATOM 19898 CD GLU F 230	73.395	18.525	23.407	1.00	111.14	F
	ATOM 19814 CA TRP F 221	64.924	15.082	13.690	1.00	70.44	F	ATOM 19899 OE1 GLU F 230	74.415	18.201	24.052	1.00	111.14	F
	ATOM 19815 CB TRP F 221	63.898	15.865	12.860	1.00	63.79	F	ATOM 19900 OE2 GLU F 230	72.386	17.790	23.306	1.00	111.14	F
	ATOM 19816 CG TRP F 221	63.954	15.528	11.399	1.00	56.94	F	ATOM 19901 C GLU F 230	76.003	21.809	20.655	1.00	91.44	F
5	ATOM 19817 CD2 TRP F 221	65.070	15.726	10.526	1.00	56.94	F	ATOM 19902 O GLU F 230	76.757	22.591	21.229	1.00	91.44	F
	ATOM 19818 CE2 TRP F 221	64.705	15.219	9.262	1.00	56.94	F	ATOM 19903 N GLU F 231	76.330	21.195	19.523	1.00	86.27	F
	ATOM 19819 CE3 TRP F 221	66.349	16.282	10.692	1.00	56.94	F	ATOM 19904 CA GLU F 231	77.624	21.415	18.880	1.00	86.27	F
	ATOM 19820 CD1 TRP F 221	62.979	14.929	10.650	1.00	56.94	F	ATOM 19905 CB GLU F 231	77.742	20.552	17.620	1.00	151.53	F
	ATOM 19821 NE1 TRP F 221	63.424	14.739	9.364	1.00	56.94	F	ATOM 19906 CG GLU F 231	77.529	19.068	17.855	1.00	127.77	F
10	ATOM 19822 CZ2 TRP F 221	65.570	15.247	8.170	1.00	56.94	F	ATOM 19907 CD GLU F 231	78.626	18.443	18.692	1.00	127.77	F
	ATOM 19823 CZ3 TRP F 221	67.208	16.310	9.609	1.00	56.94	F	ATOM 19908 OE1 GLU F 231	78.891	18.950	19.801	1.00	127.77	F
	ATOM 19824 CH2 TRP F 221	66.814	15.794	8.361	1.00	56.94	F	ATOM 19909 OE2 GLU F 231	79.221	17.441	18.242	1.00	127.77	F
	ATOM 19825 C TRP F 221	65.163	15.781	15.022	1.00	70.44	F	ATOM 19910 C GLU F 231	77.770	22.890	18.498	1.00	86.27	F
	ATOM 19826 O TRP F 221	66.184	16.446	15.209	1.00	70.44	F	ATOM 19911 O GLU F 231	78.812	23.509	18.726	1.00	86.27	F
15	ATOM 19827 N TYR F 222	64.224	15.636	15.950	1.00	65.01	F	ATOM 19912 N ILE F 232	76.716	23.446	17.912	1.00	122.62	F
	ATOM 19828 CA TYR F 222	64.371	16.266	17.254	1.00	65.01	F	ATOM 19913 CA ILE F 232	76.721	24.842	17.495	1.00	122.62	F
	ATOM 19829 CB TYR F 222	63.313	15.756	18.227	1.00	105.48	F	ATOM 19914 CB ILE F 232	75.370	25.229	16.843	1.00	124.23	F
	ATOM 19830 CG TYR F 222	63.600	16.204	19.631	1.00	104.05	F	ATOM 19915 CG2 ILE F 232	75.246	26.735	16.743	1.00	94.28	F
	ATOM 19831 CD1 TYR F 222	63.331	17.507	20.030	1.00	104.05	F	ATOM 19916 CG1 ILE F 232	75.260	24.602	15.452	1.00	94.28	F
20	ATOM 19832 CE1 TYR F 222	63.673	17.951	21.295	1.00	104.05	F	ATOM 19917 CD1 ILE F 232	73.957	24.925	14.741	1.00	94.28	F
	ATOM 19833 CD2 TYR F 222	64.219	15.350	20.538	1.00	104.05	F	ATOM 19918 C ILE F 232	76.999	25.789	18.660	1.00	122.62	F
	ATOM 19834 CE2 TYR F 222	64.570	15.781	21.805	1.00	104.05	F	ATOM 19919 O ILE F 232	77.627	26.833	18.485	1.00	122.62	F
	ATOM 19835 CZ TYR F 222	64.296	17.081	22.179	1.00	104.05	F	ATOM 19920 N ASN F 233	76.539	25.423	19.851	1.00	103.77	F
	ATOM 19836 OH TYR F 222	64.657	17.511	23.435	1.00	104.05	F	ATOM 19921 CA ASN F 233	76.740	26.274	21.015	1.00	103.77	F
25	ATOM 19837 C TYR F 222	65.742	15.944	17.824	1.00	65.01	F	ATOM 19922 CB ASN F 233	75.649	26.017	22.054	1.00	116.86	F
	ATOM 19838 O TYR F 222	66.506	16.832	18.202	1.00	65.01	F	ATOM 19923 CG ASN F 233	74.294	26.530	21.611	1.00	105.78	F
	ATOM 19839 N SER F 223	66.036	14.653	17.876	1.00	88.80	F	ATOM 19924 OD1 ASN F 233	74.202	27.531	20.900	1.00	105.78	F
	ATOM 19840 CA SER F 223	67.294	14.182	18.406	1.00	88.80	F	ATOM 19925 ND2 ASN F 233	73.233	25.858	22.046	1.00	105.78	F
	ATOM 19841 CB SER F 223	67.302	12.665	18.425	1.00	62.43	F	ATOM 19926 C ASN F 233	78.109	26.178	21.682	1.00	103.77	F
30	ATOM 19842 OG SER F 223	68.582	12.200	18.795	1.00	61.05	F	ATOM 19927 O ASN F 233	78.433	27.000	22.540	1.00	103.77	F
	ATOM 19843 C SER F 223	68.511	14.685	17.645	1.00	88.80	F	ATOM 19928 N LYS F 234	78.914	25.190	21.302	1.00	105.62	F
	ATOM 19844 O SER F 223	69.459	15.179	18.253	1.00	88.80	F	ATOM 19929 CA LYS F 234	80.239	25.057	21.894	1.00	105.62	F
	ATOM 19845 N LEU F 224	68.493	14.566	16.321	1.00	62.60	F	ATOM 19930 CB LYS F 234	80.875	23.731	21.490	1.00	82.95	F
	ATOM 19846 CA LEU F 224	69.630	15.000	15.525	1.00	62.60	F	ATOM 19931 CG LYS F 234	80.248	22.560	22.226	1.00	82.95	F
35	ATOM 19847 CB LEU F 224	69.491	14.521	14.080	1.00	83.83	F	ATOM 19932 CD LYS F 234	80.900	21.229	21.890	1.00	82.95	F
	ATOM 19848 CG LEU F 224	70.647	14.932	13.162	1.00	61.07	F	ATOM 19933 CE LYS F 234	80.257	20.107	22.703	1.00	82.95	F
	ATOM 19849 CD1 LEU F 224	71.985	14.487	13.740	1.00	61.07	F	ATOM 19934 NZ LYS F 234	80.751	18.755	22.321	1.00	82.95	F
	ATOM 19850 CD2 LEU F 224	70.419	14.326	11.794	1.00	61.07	F	ATOM 19935 C LYS F 234	81.127	26.239	21.518	1.00	105.62	F
	ATOM 19851 C LEU F 224	69.804	16.507	15.557	1.00	62.60	F	ATOM 19936 O LYS F 234	81.804	26.796	22.379	1.00	105.62	F

65251/C766

1	ATOM 19982 N THR F 241	69.760	30.350	20.552	1.00	85.16	F	ATOM 20067 CG2 THR F 252	52.838	31.918	-6.298	1.00	82.21	F
	ATOM 19983 CA THR F 241	68.609	29.955	21.350	1.00	85.16	F	ATOM 20068 C THR F 252	52.227	29.939	-8.505	1.00	58.37	F
	ATOM 19984 CB THR F 241	67.545	31.059	21.359	1.00	102.48	F	ATOM 20069 O THR F 252	53.165	30.375	-9.174	1.00	58.37	F
	ATOM 19985 OGI THR F 241	68.165	32.317	21.650	1.00	84.38	F	ATOM 20070 N GLY F 253	51.003	29.787	-9.000	1.00	70.39	F
	ATOM 19986 CG2 THR F 241	66.467	30.752	22.393	1.00	84.38	F	ATOM 20071 CA GLY F 253	50.757	30.100	-10.396	1.00	70.39	F
5	ATOM 19987 C THR F 241	67.951	28.715	20.775	1.00	85.16	F	ATOM 20072 C GLY F 253	51.594	29.172	-11.270	1.00	70.39	F
	ATOM 19988 O THR F 241	67.587	27.790	21.505	1.00	85.16	F	ATOM 20073 O GLY F 253	51.575	27.952	-11.085	1.00	70.39	F
	ATOM 19989 N SER F 242	67.799	28.710	19.454	1.00	110.51	F	ATOM 20074 N LEU F 254	52.332	29.740	-12.220	1.00	57.87	F
	ATOM 19990 CA SER F 242	67.143	27.605	18.774	1.00	110.51	F	ATOM 20075 CA LEU F 254	53.180	28.940	-13.092	1.00	57.87	F
	ATOM 19991 CB SER F 242	65.643	27.886	18.683	1.00	132.23	F	ATOM 20076 CB LEU F 254	53.612	29.731	-14.327	1.00	50.43	F
10	ATOM 19992 OG SER F 242	65.409	29.057	17.916	1.00	104.75	F	ATOM 20077 CG LEU F 254	52.569	30.083	-15.376	1.00	50.43	F
	ATOM 19993 C SER F 242	67.669	27.309	17.374	1.00	110.51	F	ATOM 20078 CD1 LEU F 254	53.285	30.691	-16.570	1.00	50.43	F
	ATOM 19994 O SER F 242	68.459	28.064	16.805	1.00	110.51	F	ATOM 20079 CD2 LEU F 254	51.780	28.844	-15.772	1.00	50.43	F
	ATOM 19995 N LEU F 243	67.186	26.196	16.830	1.00	73.66	F	ATOM 20080 C LEU F 254	54.433	28.482	-12.372	1.00	57.87	F
	ATOM 19996 CA LEU F 243	67.551	25.730	15.506	1.00	73.66	F	ATOM 20081 O LEU F 254	54.985	27.444	-12.695	1.00	57.87	F
15	ATOM 19997 CB LEU F 243	68.536	24.574	15.633	1.00	80.49	F	ATOM 20082 N LEU F 255	54.893	29.268	-11.411	1.00	42.70	F
	ATOM 19998 CG LEU F 243	69.240	24.151	14.353	1.00	56.62	F	ATOM 20083 CA LEU F 255	56.106	28.928	-10.676	1.00	42.70	F
	ATOM 19999 CD1 LEU F 243	70.015	25.333	13.781	1.00	56.62	F	ATOM 20084 CB LEU F 255	56.596	30.129	-9.860	1.00	57.87	F
	ATOM 20000 CD2 LEU F 243	70.176	22.983	14.658	1.00	56.62	F	ATOM 20085 CG LEU F 255	56.755	31.447	-10.618	1.00	57.87	F
	ATOM 20001 C LEU F 243	66.281	25.263	14.799	1.00	73.66	F	ATOM 20086 CD1 LEU F 255	57.311	32.502	-9.679	1.00	57.87	F
20	ATOM 20002 O LEU F 243	65.410	24.628	15.412	1.00	73.66	F	ATOM 20087 CD2 LEU F 255	57.677	31.254	-11.814	1.00	57.87	F
	ATOM 20003 N SER F 244	66.170	25.587	13.514	1.00	72.83	F	ATOM 20088 C LEU F 255	55.914	27.739	-9.748	1.00	42.70	F
	ATOM 20004 CA SER F 244	64.995	25.192	12.740	1.00	72.83	F	ATOM 20089 O LEU F 255	54.812	27.495	-9.243	1.00	42.70	F
	ATOM 20005 CB SER F 244	64.092	26.401	12.486	1.00	116.10	F	ATOM 20090 N PHE F 256	56.998	26.997	-9.537	1.00	65.16	F
	ATOM 20006 OG SER F 244	63.522	26.878	13.686	1.00	118.25	F	ATOM 20091 CA PHE F 256	56.967	25.831	-8.662	1.00	65.16	F
25	ATOM 20007 C SER F 244	65.309	24.542	11.397	1.00	72.83	F	ATOM 20092 CB PHE F 256	56.256	24.663	-9.355	1.00	54.41	F
	ATOM 20008 O SER F 244	66.241	24.940	10.696	1.00	72.83	F	ATOM 20093 CG PHE F 256	56.988	24.123	-10.546	1.00	51.42	F
	ATOM 20009 N LEU F 245	64.516	23.534	11.050	1.00	76.20	F	ATOM 20094 CD1 PHE F 256	57.783	22.993	-10.435	1.00	51.42	F
	ATOM 20010 CA LEU F 245	64.658	22.849	9.773	1.00	76.20	F	ATOM 20095 CD2 PHE F 256	56.876	24.739	-11.792	1.00	51.42	F
	ATOM 20011 CB LEU F 245	64.701	21.336	9.965	1.00	87.08	F	ATOM 20096 CE1 PHE F 256	58.451	22.484	-11.542	1.00	51.42	F
30	ATOM 20012 CG LEU F 245	64.761	20.582	8.639	1.00	71.07	F	ATOM 20097 CE2 PHE F 256	57.545	24.231	-12.909	1.00	51.42	F
	ATOM 20013 CD1 LEU F 245	65.976	21.044	7.848	1.00	71.07	F	ATOM 20098 CZ PHE F 256	58.331	23.103	-12.778	1.00	51.42	F
	ATOM 20014 CD2 LEU F 245	64.816	19.086	8.893	1.00	71.07	F	ATOM 20099 C PHE F 256	58.380	25.435	-8.254	1.00	65.16	F
	ATOM 20015 C LEU F 245	63.437	23.224	8.944	1.00	76.20	F	ATOM 20100 O PHE F 256	59.318	25.566	-9.040	1.00	65.16	F
	ATOM 20016 O LEU F 245	62.330	22.750	9.204	1.00	76.20	F	ATOM 20101 N GLY F 257	58.530	24.971	-7.016	1.00	50.51	F
35	ATOM 20017 N ILE F 246	63.636	24.090	7.960	1.00	77.06	F	ATOM 20102 CA GLY F 257	59.839	24.576	-6.526	1.00	50.51	F
	ATOM 20018 CA ILE F 246	62.534	24.537	7.117	1.00	77.06	F	ATOM 20103 C GLY F 257	59.759	23.979	-5.139	1.00	50.51	F
	ATOM 20019 CB ILE F 246	62.603	26.070	6.872	1.00	80.16	F	ATOM 20104 O GLY F 257	58.674	23.845	-4.571	1.00	50.51	F
	ATOM 20020 CG ILE F 246	61.397	26.540	6.077	1.00	63.20	F	ATOM 20105 N SER F 258	60.906	23.599	-4.593	1.00	48.05	F
	ATOM 20021 CG1 ILE F 246	62.642	26.807	8.208	1.00	63.20	F	ATOM 20106 CA SER F 258	60.951	23.021	-3.254	1.00	48.05	F

65251/C766

1	ATOM 20152 OE2 GLU F 263	63.547	30.280	10.421	1.00101.79	F	ATOM 20237 C THR F 274	70.454	17.866	-5.196	1.00 67.63	F
	ATOM 20153 C GLU F 263	68.242	28.573	11.606	1.00 82.87	F	ATOM 20238 O THR F 274	70.726	16.662	-5.260	1.00 67.63	F
	ATOM 20154 O GLU F 263	67.831	27.635	12.305	1.00 82.87	F	ATOM 20239 N GLY F 275	71.040	18.784	-5.958	1.00 66.44	F
	ATOM 20155 N THR F 264	68.851	29.642	12.094	1.00139.63	F	ATOM 20240 CA GLY F 275	72.050	18.405	-6.926	1.00 66.44	F
	ATOM 20156 CA THR F 264	69.137	29.821	13.502	1.00139.63	F	ATOM 20241 C GLY F 275	73.329	17.898	-6.292	1.00 66.44	F
5	ATOM 20157 CB THR F 264	70.664	29.997	13.669	1.00104.34	F	ATOM 20242 O GLY F 275	73.683	16.736	-6.459	1.00 66.44	F
	ATOM 20158 OGI THR F 264	71.237	28.754	14.084	1.00 83.27	F	ATOM 20243 N ASP F 276	74.014	18.769	-5.555	1.00 67.53	F
	ATOM 20159 CG2 THR F 264	71.002	31.084	14.651	1.00 83.27	F	ATOM 20244 CA ASP F 276	75.275	18.435	-4.892	1.00 67.53	F
	ATOM 20160 C THR F 264	68.385	31.042	14.009	1.00139.63	F	ATOM 20245 CB ASP F 276	75.918	19.711	-4.354	1.00177.74	F
	ATOM 20161 O THR F 264	67.857	31.817	13.217	1.00139.63	F	ATOM 20246 CG ASP F 276	75.976	20.808	-5.389	1.00156.74	F
10	ATOM 20162 N ALA F 265	68.314	31.207	15.324	1.00108.16	F	ATOM 20247 OD1 ASP F 276	76.740	20.662	-6.368	1.00156.74	F
	ATOM 20163 CA ALA F 265	67.632	32.365	15.884	1.00108.16	F	ATOM 20248 OD2 ASP F 276	75.249	21.811	-5.227	1.00156.74	F
	ATOM 20164 CB ALA F 265	67.657	32.311	17.410	1.00101.10	F	ATOM 20249 C ASP F 276	75.134	17.434	-3.746	1.00 67.53	F
	ATOM 20165 C ALA F 265	68.346	33.620	15.382	1.00108.16	F	ATOM 20250 O ASP F 276	76.119	16.827	-3.331	1.00 67.53	F
	ATOM 20166 O ALA F 265	67.765	34.704	15.342	1.00108.16	F	ATOM 20251 N LYS F 277	73.916	17.264	-3.235	1.00 70.31	F
15	ATOM 20167 N ASN F 266	69.605	33.452	14.984	1.00100.59	F	ATOM 20252 CA LYS F 277	73.666	16.354	-2.120	1.00 70.31	F
	ATOM 20168 CA ASN F 266	70.420	34.553	14.479	1.00100.59	F	ATOM 20253 CB LYS F 277	73.975	14.918	-2.533	1.00 89.10	F
	ATOM 20169 CB ASN F 266	71.903	34.284	14.735	1.00158.50	F	ATOM 20254 CG LYS F 277	73.026	14.375	-3.587	1.00 74.31	F
	ATOM 20170 CG ASN F 266	72.197	34.004	16.186	1.00100.35	F	ATOM 20255 CD LYS F 277	73.563	13.093	-4.202	1.00 74.31	F
	ATOM 20171 ODI ASN F 266	71.815	34.772	17.067	1.00100.35	F	ATOM 20256 CE LYS F 277	72.597	12.483	-5.211	1.00 74.31	F
20	ATOM 20172 ND2 ASN F 266	72.884	32.900	16.448	1.00100.35	F	ATOM 20257 NZ LYS F 277	71.428	11.825	-4.555	1.00 74.31	F
	ATOM 20173 C ASN F 266	70.215	34.791	12.991	1.00100.59	F	ATOM 20258 C LYS F 277	74.500	16.756	-0.902	1.00 70.31	F
	ATOM 20174 O ASN F 266	70.633	35.821	12.463	1.00100.59	F	ATOM 20259 O LYS F 277	75.187	15.934	-0.300	1.00 70.31	F
	ATOM 20175 N GLY F 267	69.583	33.835	12.315	1.00129.75	F	ATOM 20260 N ARG F 278	74.420	18.036	-0.552	1.00 77.13	F
	ATOM 20176 CA GLY F 267	69.336	33.984	10.891	1.00129.75	F	ATOM 20261 CA ARG F 278	75.145	18.586	0.580	1.00 77.13	F
25	ATOM 20177 C GLY F 267	69.667	32.753	10.069	1.00129.75	F	ATOM 20262 CB ARG F 278	76.611	18.727	0.219	1.00117.71	F
	ATOM 20178 O GLY F 267	70.205	31.779	10.595	1.00129.75	F	ATOM 20263 CG ARG F 278	76.860	19.835	-0.779	1.00102.34	F
	ATOM 20179 N PRO F 268	69.366	32.776	8.760	1.00 85.73	F	ATOM 20264 CD ARG F 278	78.258	19.783	-1.333	1.00102.34	F
	ATOM 20180 CD PRO F 268	68.973	33.963	7.981	1.00106.67	F	ATOM 20265 NE ARG F 278	78.568	20.912	-2.195	1.00102.34	F
	ATOM 20181 CA PRO F 268	69.638	31.646	7.869	1.00 85.73	F	ATOM 20266 CZ ARG F 278	79.626	20.970	-2.998	1.00102.34	F
30	ATOM 20182 CB PRO F 268	69.366	32.225	6.480	1.00122.56	F	ATOM 20267 NH1 ARG F 278	80.486	19.958	-3.052	1.00102.34	F
	ATOM 20183 CG PRO F 268	69.628	33.688	6.655	1.00106.67	F	ATOM 20268 NH2 ARG F 278	79.817	22.039	-3.763	1.00102.34	F
	ATOM 20184 C PRO F 268	71.055	31.105	8.009	1.00 85.73	F	ATOM 20269 C ARG F 278	74.572	19.967	0.911	1.00 77.13	F
	ATOM 20185 O PRO F 268	72.021	31.861	8.068	1.00 85.73	F	ATOM 20270 O ARG F 278	73.798	20.521	0.130	1.00 77.13	F
	ATOM 20186 N LEU F 269	71.163	29.784	8.050	1.00 77.59	F	ATOM 20271 N PHE F 279	74.949	20.517	2.065	1.00 69.16	F
35	ATOM 20187 CA LEU F 269	72.448	29.125	8.203	1.00 77.59	F	ATOM 20272 CA PHE F 279	74.473	21.837	2.457	1.00 69.16	F
	ATOM 20188 CB LEU F 269	72.370	28.144	9.376	1.00115.80	F	ATOM 20273 CB PHE F 279	74.409	21.975	3.972	1.00 73.45	F
	ATOM 20189 CG LEU F 269	73.686	27.642	9.968	1.00 81.14	F	ATOM 20274 CG PHE F 279	73.206	21.347	4.581	1.00 57.22	F
	ATOM 20190 CD1 LEU F 269	74.567	28.825	10.343	1.00 81.14	F	ATOM 20275 CD1 PHE F 279	73.244	20.043	5.055	1.00 57.22	F
	ATOM 20191 CD2 LEU F 269	73.388	26.780	11.186	1.00 81.14	F	ATOM 20276 CD2 PHE F 279	72.026	22.067	4.694	1.00 57.22	F

65251/C766

1	ATOM 20322 O HIS F 284	80.653	33.705	4.757	1.00130.18	F	ATOM 20407 CG LYS F 296	82.954	15.143	8.604	1.00109.87	F
	ATOM 20323 N LYS F 285	78.991	34.540	6.042	1.00116.59	F	ATOM 20408 CD LYS F 296	84.128	14.270	8.201	1.00109.87	F
	ATOM 20324 CA LYS F 285	79.476	34.034	7.319	1.00116.59	F	ATOM 20409 CE LYS F 296	84.972	13.889	9.406	1.00109.87	F
	ATOM 20325 CB LYS F 285	78.417	34.278	8.399	1.00106.97	F	ATOM 20410 NZ LYS F 296	86.131	13.027	9.037	1.00109.87	F
	ATOM 20326 CG LYS F 285	78.939	34.969	9.652	1.00106.97	F	ATOM 20411 C LYS F 296	80.151	12.645	9.607	1.00 66.66	F
5	ATOM 20327 CD LYS F 285	79.422	36.384	9.347	1.00106.97	F	ATOM 20412 O LYS F 296	80.503	11.595	10.145	1.00 66.66	F
	ATOM 20328 CE LYS F 285	79.932	37.081	10.598	1.00106.97	F	ATOM 20413 N ASN F 297	78.963	13.209	9.821	1.00 69.91	F
	ATOM 20329 NZ LYS F 285	80.383	38.471	10.314	1.00106.97	F	ATOM 20414 CA ASN F 297	77.990	12.636	10.744	1.00 69.91	F
	ATOM 20330 C LYS F 285	79.849	32.556	7.315	1.00116.59	F	ATOM 20415 CB ASN F 297	76.771	13.551	10.876	1.00 69.44	F
	ATOM 20331 O LYS F 285	80.752	32.142	8.041	1.00116.59	F	ATOM 20416 CG ASN F 297	75.849	13.136	12.015	1.00 69.44	F
10	ATOM 20332 N GLY F 286	79.154	31.763	6.507	1.00 96.53	F	ATOM 20417 OD1 ASN F 297	75.298	12.035	12.016	1.00 69.44	F
	ATOM 20333 CA GLY F 286	79.425	30.335	6.455	1.00 96.53	F	ATOM 20418 ND2 ASN F 297	75.681	14.019	12.990	1.00 69.44	F
	ATOM 20334 C GLY F 286	78.630	29.616	7.534	1.00 96.53	F	ATOM 20419 C ASN F 297	77.527	11.241	10.362	1.00 69.91	F
	ATOM 20335 O GLY F 286	77.835	30.239	8.242	1.00 96.53	F	ATOM 20420 O ASN F 297	77.231	10.951	9.199	1.00 69.91	F
	ATOM 20336 N PHE F 287	78.829	28.308	7.664	1.00 83.86	F	ATOM 20421 N THR F 298	77.460	10.383	11.371	1.00 60.38	F
15	ATOM 20337 CA PHE F 287	78.117	27.542	8.685	1.00 83.86	F	ATOM 20422 CA THR F 298	77.047	9.001	11.198	1.00 60.38	F
	ATOM 20338 CB PHE F 287	76.833	26.924	8.106	1.00 78.92	F	ATOM 20423 CB THR F 298	77.163	8.248	12.543	1.00 73.01	F
	ATOM 20339 CG PHE F 287	77.075	25.816	7.100	1.00 78.92	F	ATOM 20424 OG1 THR F 298	76.355	7.072	12.504	1.00 73.01	F
	ATOM 20340 CD1 PHE F 287	77.276	24.499	7.516	1.00 78.92	F	ATOM 20425 CG2 THR F 298	76.715	9.132	13.697	1.00 73.01	F
	ATOM 20341 CD2 PHE F 287	77.113	26.095	5.733	1.00 78.92	F	ATOM 20426 C THR F 298	75.630	8.847	10.633	1.00 60.38	F
20	ATOM 20342 CE1 PHE F 287	77.513	23.480	6.587	1.00 78.92	F	ATOM 20427 O THR F 298	75.324	7.852	9.982	1.00 60.38	F
	ATOM 20343 CE2 PHE F 287	77.351	25.076	4.796	1.00 78.92	F	ATOM 20428 N LEU F 299	74.773	9.836	10.861	1.00 81.19	F
	ATOM 20344 CZ PHE F 287	77.551	23.771	5.227	1.00 78.92	F	ATOM 20429 CA LEU F 299	73.397	9.772	10.367	1.00 81.19	F
	ATOM 20345 C PHE F 287	79.005	26.449	9.268	1.00 83.86	F	ATOM 20430 CB LEU F 299	72.443	10.312	11.429	1.00 70.46	F
	ATOM 20346 O PHE F 287	79.791	25.821	8.554	1.00 83.86	F	ATOM 20431 CG LEU F 299	72.380	9.469	12.702	1.00 70.46	F
25	ATOM 20347 N PRO F 288	78.889	26.209	10.583	1.00 84.99	F	ATOM 20432 CD1 LEU F 299	71.523	10.173	13.739	1.00 70.46	F
	ATOM 20348 CD PRO F 288	77.947	26.853	11.517	1.00 77.17	F	ATOM 20433 CD2 LEU F 299	71.816	8.103	12.376	1.00 70.46	F
	ATOM 20349 CA PRO F 288	79.684	25.187	11.268	1.00 84.99	F	ATOM 20434 C LEU F 299	73.158	10.516	9.052	1.00 81.19	F
	ATOM 20350 CB PRO F 288	79.338	25.416	12.738	1.00 77.17	F	ATOM 20435 O LEU F 299	72.016	10.635	8.594	1.00 81.19	F
	ATOM 20351 CG PRO F 288	77.914	25.871	12.672	1.00 77.17	F	ATOM 20436 N TRP F 300	74.235	11.006	8.446	1.00 68.46	F
30	ATOM 20352 C PRO F 288	79.353	23.772	10.803	1.00 84.99	F	ATOM 20437 CA TRP F 300	74.141	11.747	7.196	1.00 68.46	F
	ATOM 20353 O PRO F 288	78.200	23.343	10.861	1.00 84.99	F	ATOM 20438 CB TRP F 300	75.531	11.977	6.608	1.00 77.70	F
	ATOM 20354 N LYS F 289	80.367	23.050	10.336	1.00 99.14	F	ATOM 20439 CG TRP F 300	75.496	12.763	5.348	1.00 77.70	F
	ATOM 20355 CA LYS F 289	80.159	21.685	9.875	1.00 99.14	F	ATOM 20440 CD2 TRP F 300	74.991	14.091	5.181	1.00 77.70	F
	ATOM 20356 CB LYS F 289	81.255	21.291	8.880	1.00123.38	F	ATOM 20441 CE2 TRP F 300	75.164	14.435	3.822	1.00 77.70	F
35	ATOM 20357 CG LYS F 289	81.037	21.900	7.499	1.00123.38	F	ATOM 20442 CE3 TRP F 300	74.411	15.027	6.049	1.00 77.70	F
	ATOM 20358 CD LYS F 289	82.130	21.521	6.520	1.00123.38	F	ATOM 20443 CD1 TRP F 300	75.940	12.363	4.121	1.00 77.70	F
	ATOM 20359 CE LYS F 289	83.440	22.211	6.868	1.00123.38	F	ATOM 20444 NE1 TRP F 300	75.745	13.362	3.199	1.00 77.70	F
	ATOM 20360 NZ LYS F 289	84.529	21.886	5.897	1.00123.38	F	ATOM 20445 CZ2 TRP F 300	74.776	15.678	3.306	1.00 77.70	F
	ATOM 20361 C LYS F 289	80.094	20.709	11.048	1.00 99.14	F	ATOM 20446 CZ3 TRP F 300	74.025	16.264	5.537	1.00 77.70	F

65251/C766

1	ATOM 20492	CD1 TYR F 306	65.063	10.622	8.119	1.00	73.29	F	ATOM 20577	CD2 LEU F 317	54.476	12.874	-7.167	1.00	51.46	F
	ATOM 20493	CE1 TYR F 306	64.929	9.383	8.717	1.00	73.29	F	ATOM 20578	C LEU F 317	52.858	14.774	-3.634	1.00	60.08	F
	ATOM 20494	CD2 TYR F 306	63.768	9.885	6.250	1.00	73.29	F	ATOM 20579	O LEU F 317	51.650	14.690	-3.876	1.00	60.08	F
	ATOM 20495	CE2 TYR F 306	63.626	8.642	6.837	1.00	73.29	F	ATOM 20580	N ALA F 318	53.339	14.958	-2.411	1.00	61.98	F
5	ATOM 20496	CZ TYR F 306	64.208	8.397	8.071	1.00	73.29	F	ATOM 20581	CA ALA F 318	52.466	15.047	-1.257	1.00	61.98	F
	ATOM 20497	OH TYR F 306	64.054	7.165	8.663	1.00	73.29	F	ATOM 20582	CB ALA F 318	53.307	15.125	0.008	1.00	70.04	F
	ATOM 20498	C TYR F 306	64.438	13.619	4.183	1.00	56.26	F	ATOM 20583	C ALA F 318	51.523	16.245	-1.334	1.00	61.98	F
	ATOM 20499	O TYR F 306	63.380	13.976	3.690	1.00	56.26	F	ATOM 20584	O ALA F 318	50.319	16.109	-1.111	1.00	61.98	F
10	ATOM 20500	N LEU F 307	65.493	14.418	4.277	1.00	62.69	F	ATOM 20585	N ILE F 319	52.066	17.416	-1.654	1.00	70.43	F
	ATOM 20501	CA LEU F 307	65.439	15.794	3.809	1.00	62.69	F	ATOM 20586	CA ILE F 319	51.252	18.619	-1.711	1.00	70.43	F
	ATOM 20502	CB LEU F 307	66.509	16.631	4.511	1.00	72.81	F	ATOM 20587	CB ILE F 319	52.027	19.805	-2.321	1.00	76.92	F
	ATOM 20503	CG LEU F 307	66.684	18.054	3.986	1.00	40.94	F	ATOM 20588	CG2 ILE F 319	52.222	19.592	-3.806	1.00	51.48	F
15	ATOM 20504	CD1 LEU F 307	65.379	18.836	4.133	1.00	40.94	F	ATOM 20589	CG1 ILE F 319	51.246	21.105	-2.085	1.00	51.48	F
	ATOM 20505	CD2 LEU F 307	67.811	18.738	4.740	1.00	40.94	F	ATOM 20590	CD1 ILE F 319	51.993	22.380	-2.490	1.00	51.48	F
	ATOM 20506	C LEU F 307	65.622	15.879	2.301	1.00	62.69	F	ATOM 20591	C ILE F 319	49.961	18.405	-2.491	1.00	70.43	F
	ATOM 20507	O LEU F 307	64.807	16.483	1.597	1.00	62.69	F	ATOM 20592	O ILE F 319	48.948	19.025	-2.188	1.00	70.43	F
20	ATOM 20508	N GLY F 308	66.692	15.270	1.806	1.00	57.27	F	ATOM 20593	N LEU F 320	49.988	17.521	-3.482	1.00	90.03	F
	ATOM 20509	CA GLY F 308	66.946	15.303	0.381	1.00	57.27	F	ATOM 20594	CA LEU F 320	48.794	17.258	-4.276	1.00	90.03	F
	ATOM 20510	C GLY F 308	65.799	14.711	-0.422	1.00	57.27	F	ATOM 20595	CB LEU F 320	49.166	16.507	-5.556	1.00	92.15	F
	ATOM 20511	O GLY F 308	65.342	15.310	-1.393	1.00	57.27	F	ATOM 20596	CG LEU F 320	50.050	17.298	-6.533	1.00	69.99	F
25	ATOM 20512	N GLY F 309	65.327	13.538	-0.014	1.00	56.54	F	ATOM 20597	CD1 LEU F 320	50.317	16.452	-7.776	1.00	69.99	F
	ATOM 20513	CA GLY F 309	64.245	12.889	-0.730	1.00	56.54	F	ATOM 20598	CD2 LEU F 320	49.376	18.619	-6.917	1.00	69.99	F
	ATOM 20514	C GLY F 309	62.988	13.727	-0.806	1.00	56.54	F	ATOM 20599	C LEU F 320	47.728	16.490	-3.491	1.00	90.03	F
	ATOM 20515	O GLY F 309	62.409	13.909	-1.877	1.00	56.54	F	ATOM 20600	O LEU F 320	46.532	16.664	-3.732	1.00	90.03	F
30	ATOM 20516	N PHE F 310	62.565	14.244	0.339	1.00	54.21	F	ATOM 20601	N ASP F 321	48.154	15.642	-2.557	1.00	76.18	F
	ATOM 20517	CA PHE F 310	61.364	15.058	0.416	1.00	54.21	F	ATOM 20602	CA ASP F 321	47.202	14.896	-1.737	1.00	76.18	F
	ATOM 20518	CB PHE F 310	61.172	15.530	1.857	1.00	57.82	F	ATOM 20603	CB ASP F 321	47.905	13.777	-0.962	1.00	162.50	F
	ATOM 20519	CG PHE F 310	59.844	16.171	2.119	1.00	53.65	F	ATOM 20604	CG ASP F 321	48.356	12.639	-1.858	1.00	141.50	F
35	ATOM 20520	CD1 PHE F 310	58.673	15.445	1.966	1.00	53.65	F	ATOM 20605	OD1 ASP F 321	47.557	12.223	-2.725	1.00	141.50	F
	ATOM 20521	CD2 PHE F 310	59.766	17.502	2.529	1.00	53.65	F	ATOM 20606	OD2 ASP F 321	49.498	12.152	-1.686	1.00	141.50	F
	ATOM 20522	CE1 PHE F 310	57.433	16.031	2.218	1.00	53.65	F	ATOM 20607	C ASP F 321	46.521	15.858	-0.754	1.00	76.18	F
	ATOM 20523	CE2 PHE F 310	58.532	18.098	2.785	1.00	53.65	F	ATOM 20608	O ASP F 321	45.326	15.737	-0.480	1.00	76.18	F

65251/C766

1	ATOM 20662 CA GLY F 328	36.129	22.070	0.359	1.00	90.23	F	ATOM 20747 NZ LYS F 339	42.582	49.136	-6.872	1.00	135.62	F
	ATOM 20663 C GLY F 328	36.293	22.692	1.735	1.00	90.23	F	ATOM 20748 C LYS F 339	49.446	48.553	-9.580	1.00	84.20	F
	ATOM 20664 O GLY F 328	35.599	23.655	2.051	1.00	90.23	F	ATOM 20749 O LYS F 339	49.977	48.266	-8.509	1.00	76.86	F
	ATOM 20665 N LYS F 329	37.213	22.181	2.546	1.00	95.68	F	ATOM 20750 N VAL F 340	50.112	49.097	-10.585	1.00	92.91	F
	ATOM 20666 CA LYS F 329	37.368	22.691	3.902	1.00	95.68	F	ATOM 20751 CA VAL F 340	51.523	49.422	-10.447	1.00	90.34	F
	ATOM 20667 CB LYS F 329	37.741	21.535	4.833	1.00	175.53	F	ATOM 20752 CB VAL F 340	52.342	48.918	-11.643	1.00	97.64	F
	ATOM 20668 CG LYS F 329	36.653	20.484	4.958	1.00	175.53	F	ATOM 20753 CG1 VAL F 340	53.802	49.313	-11.470	1.00	83.10	F
	ATOM 20669 CD LYS F 329	36.876	19.633	6.191	1.00	175.53	F	ATOM 20754 CG2 VAL F 340	52.205	47.417	-11.771	1.00	83.10	F
	ATOM 20670 CE LYS F 329	35.766	18.620	6.397	1.00	65.29	F	ATOM 20755 C VAL F 340	51.653	50.933	-10.402	1.00	92.91	F
5	ATOM 20671 NZ LYS F 329	35.991	17.818	7.645	1.00	65.29	F	ATOM 20756 O VAL F 340	51.208	51.607	-11.316	1.00	89.76	F
	ATOM 20672 C LYS F 329	38.264	23.893	4.218	1.00	95.68	F	ATOM 20757 N THR F 341	52.267	51.473	-9.355	1.00	107.37	F
	ATOM 20673 O LYS F 329	38.605	24.102	5.382	1.00	95.68	F	ATOM 20758 CA THR F 341	52.411	52.919	-9.255	1.00	103.27	F
	ATOM 20674 N ILE F 330	38.650	24.690	3.225	1.00	109.00	F	ATOM 20759 CB THR F 341	51.878	53.427	-7.914	1.00	106.56	F
	ATOM 20675 CA ILE F 330	39.477	25.868	3.519	1.00	109.00	F	ATOM 20760 OG1 THR F 341	50.495	53.076	-7.801	1.00	87.92	F
	ATOM 20676 CB ILE F 330	40.996	25.611	3.271	1.00	107.63	F	ATOM 20761 CG2 THR F 341	52.027	54.945	-7.818	1.00	87.92	F
	ATOM 20677 CG2 ILE F 330	41.461	24.394	4.061	1.00	108.55	F	ATOM 20762 C THR F 341	53.849	53.383	-9.420	1.00	105.42	F
	ATOM 20678 CG1 ILE F 330	41.269	25.429	1.780	1.00	108.55	F	ATOM 20763 O THR F 341	54.784	52.709	-8.995	1.00	107.02	F
	ATOM 20679 CD1 ILE F 330	42.729	25.549	1.425	1.00	108.55	F	ATOM 20764 N GLY F 342	54.014	54.545	-10.041	1.00	138.51	F
	ATOM 20680 C ILE F 330	39.036	27.062	2.675	1.00	109.00	F	ATOM 20765 CA GLY F 342	55.343	55.081	-10.252	1.00	142.68	F
	ATOM 20681 O ILE F 330	38.227	26.912	1.760	1.00	109.00	F	ATOM 20766 C GLY F 342	55.644	56.286	-9.383	1.00	141.65	F
	ATOM 20682 N PRO F 331	39.559	28.267	2.974	1.00	113.13	F	ATOM 20767 O GLY F 342	55.836	57.386	-9.896	1.00	135.92	F
10	ATOM 20683 CD PRO F 331	40.553	28.596	4.013	1.00	63.98	F	ATOM 20768 N ASN F 343	55.682	56.084	-8.068	1.00	139.48	F
	ATOM 20684 CA PRO F 331	39.190	29.467	2.215	1.00	113.13	F	ATOM 20769 CA ASN F 343	55.983	57.167	-7.134	1.00	145.89	F
	ATOM 20685 CB PRO F 331	40.243	30.482	2.644	1.00	200.84	F	ATOM 20770 CB ASN F 343	55.769	56.705	-5.690	1.00	173.65	F
	ATOM 20686 CG PRO F 331	40.487	30.115	4.051	1.00	63.98	F	ATOM 20771 CG ASN F 343	54.399	56.100	-5.465	1.00	153.45	F
	ATOM 20687 C PRO F 331	39.217	29.224	0.712	1.00	113.13	F	ATOM 20772 OD1 ASN F 343	53.376	56.767	-5.628	1.00	153.45	F
	ATOM 20688 O PRO F 331	40.144	28.606	0.198	1.00	113.13	F	ATOM 20773 ND2 ASN F 343	54.372	54.825	-5.086	1.00	153.45	F
	ATOM 20689 N LYS F 332	38.193	29.705	0.015	1.00	94.59	F	ATOM 20774 C ASN F 343	57.447	57.548	-7.323	1.00	143.95	F
	ATOM 20690 CA LYS F 332	38.111	29.545	-1.431	1.00	95.21	F	ATOM 20775 O ASN F 343	58.073	57.157	-8.309	1.00	132.58	F
	ATOM 20691 CB LYS F 332	36.714	29.921	-1.922	1.00	145.40	F	ATOM 20776 N GLU F 344	57.992	58.308	-6.379	1.00	156.16	F
	ATOM 20692 CG LYS F 332	36.348	31.356	-1.610	1.00	116.94	F	ATOM 20777 CA GLU F 344	59.392	58.717	-6.440	1.00	156.16	F
	ATOM 20693 CD LYS F 332	35.220	31.851	-2.488	1.00	116.94	F	ATOM 20778 CB GLU F 344	59.581	59.817	-7.488	1.00	159.85	F
15	ATOM 20694 CE LYS F 332	35.020	33.351	-2.317	1.00	116.94	F	ATOM 20779 CG GLU F 344	59.858	59.250	-8.875	1.00	139.75	F
	ATOM 20695 NZ LYS F 332	34.006	33.882	-3.264	1.00	116.94	F	ATOM 20780 CD GLU F 344	59.879	60.300	-9.964	1.00	139.75	F
	ATOM 20696 C LYS F 332	39.140	30.453	-2.104	1.00	94.28	F	ATOM 20781 OE1 GLU F 344	58.797	60.793	-10.343	1.00	139.75	F
	ATOM 20697 O LYS F 332	39.595	31.442	-1.519	1.00	92.37	F	ATOM 20782 OE2 GLU F 344	60.981	60.637	-10.442	1.00	139.75	F
	ATOM 20698 N ASP F 333	39.513	30.114	-3.332	1.00	99.44	F	ATOM 20783 C GLU F 344	59.903	59.158	-5.073	1.00	156.16	F
	ATOM 20699 CA ASP F 333	40.473	30.922	-4.072	1.00	98.90	F	ATOM 20784 O GLU F 344	59.534	60.215	-4.562	1.00	156.16	F
	ATOM 20700 CB ASP F 333	40.796	30.264	-5.411	1.00	180.51	F	ATOM 20785 N LEU F 345	60.763	58.320	-4.496	1.00	200.84	F
	ATOM 20701 CG ASP F 333	41.964	29.314	-5.319	1.00	148.10	F	ATOM 20786 CA LEU F 345	61.330	58.537	-3.166	1.00	200.84	F
	ATOM 20702 OD1 ASP F 333	42.090	28.627	-4.286	1.00	148.10	F	ATOM 20787 CB LEU F 345	61.921	57.216	-2.640	1.00	200.84	F
	ATOM 20703 OD2 ASP F 333	42.753	29.249	-6.285	1.00	148.10	F	ATOM 20788 CG LEU F 345	60.964	56.022	-2.470	1.00	155.35	F
20	ATOM 20704 C ASP F 333	39.880	32.298	-4.312	1.00	102.75	F	ATOM 20789 CD1 LEU F 345	61.717	54.833	-1.886	1.00	155.35	F
	ATOM 20705 O ASP F 333	38.683	32.432	-4.564	1.00	102.40	F	ATOM 20790 CD2 LEU F 345	59.805	56.405	-1.559	1.00	155.35	F
	ATOM 20706 N THR F 334	40.716	33.324	-4.226	1.00	87.13	F	ATOM 20791 C LEU F 345	62.353	59.670	-2.996	1.00	200.84	F
	ATOM 20707 CA THR F 334	40.254	34.687	-4.443	1.00	86.85	F	ATOM 20792 O LEU F 345	63.283	59.560	-2.196	1.00	200.84	F
	ATOM 20708 CB THR F 334	40.027	35.412	-3.102	1.00	108.13	F	ATOM 20793 N GLU F 346	62.717	60.750	-3.753	1.00	168.95	F
	ATOM 20709 OG1 THR F 334	38.830	34.909	-2.495	1.00	94.03	F	ATOM 20794 CA GLU F 346	63.029	61.941	-3.666	1.00	168.95	F
	ATOM 20710 CG2 THR F 334	39.906	36.922	-3.311	1.00	94.03	F	ATOM 20795 CB GLU F 346	62.896	62.536	-2.262	1.00	188.72	F
	ATOM 20711 C THR F 334	41.252	35.463	-5.282	1.00	93.29	F	ATOM 20796 CG GLU F 346	61.453	62.539	-1.771	1.00	174.15	F
	ATOM 20712 O THR F 334	42.414	35.623	-4.901	1.00	90.65	F	ATOM 20797 CD GLU F 346	61.207	63.511	-0.638	1.00	174.15	F
	ATOM 20713 N THR F 335	40.784	35.947	-6.427	1.00	69.99	F	ATOM 20798 OE1 GLU F 346	61.312	64.733	-0.876	1.00	174.15	F
	ATOM 20714 CA THR F 335	41.633	36.696	-7.338	1.00	69.78	F	ATOM 20799 OE2 GLU F 346	60.907	63.056	0.486	1.00	174.15	F
	ATOM 20715 CB THR F 335	41.022	36.749	-8.727	1.00	70.88	F	ATOM 20800 C GLU F 346	64.512	61.864	-4.055	1.00	168.95	F
25	ATOM 20716 OG1 THR F 335	40.561	35.439	-9.093	1.00	60.24	F	ATOM 20801 O GLU F 346	64.898	62.369	-5.109	1.00	168.95	F
	ATOM 20717 CG2 THR F 335	42.067	37.222	-9.728	1.00	60.24	F	ATOM 20802 N ASP F 347	65.347	61.257	-3.213	1.00	187.28	F
	ATOM 20718 C THR F 335	41.899	38.115	-6.869	1.00	70.64	F	ATOM 20803 CA ASP F 347	66.777	61.172	-3.515	1.00	187.28	F
	ATOM 20719 O THR F 335	40.985	38.830	-6.476	1.00	71.99	F	ATOM 20804 CB ASP F 347	67.543	60.531	-2.348	1.00	200.84	F
	ATOM 20720 N PRO F 336	43.165	38.547	-6.928	1.00	84.30	F	ATOM 20805 CG ASP F 347	67.496	59.013	-2.373	1.00	200.84	F
	ATOM 20721 CD PRO F 336	44.364	37.799	-7.341	1.00	64.90	F	ATOM 20806 OD1 ASP F 347	66.387	58.446	-2.278	1.00	200.84	F
	ATOM 20722 CA PRO F 336	43.536	39.889	-6.495	1.00	83.88	F	ATOM 20807 OD2 ASP F 347	68.574	58.387	-2.488	1.00	200.84	F
	ATOM 20723 CB PRO F 336	45.007	39.729	-6.169	1.00	73.76	F	ATOM 20808 C ASP F 347	67.062	60.400	-4.803	1.00	187.28	F
	ATOM 20724 CG PRO F 336	45.455	38.866	-7.287	1.00	64.90	F	ATOM 20809 O ASP F 347	67.969	60.755	-5.558	1.00	187.28	F
	ATOM 20725 C PRO F 336	43.319	40.972	-7.531	1.00	83.92	F	ATOM 20810 N GLY F 348	66.288	59.346	-5.049	1.00	148.80	F
	ATOM 20726 O PRO F 336	42.973	40.703	-8.060	1.00	84.55	F	ATOM 20811 CA GLY F 348	66.473	58.549	-6.249	1.00	146.11	F
30	ATOM 20727 N THR F 337	43.543	42.202	-7.086	1.00	79.46	F	ATOM 20812 C GLY F 348	65.490	58.950	-7.329	1.00	143.07	F
	ATOM 20728 CA THR F 337	43.436	43.394	-7.904	1.00	82.92	F	ATOM 20813 O GLY F 348	64.374	59.372	-7.029	1.00	138.08	F
	ATOM 20729 CB THR F 337	42.545	44.444	-7.225	1.00	124.18	F	ATOM 20814 N ASN F 349	65.894	58.817	-8.588	1.00	200.77	F
	ATOM 20730 OG1 THR F 337	41.180	44.017	-7.279	1.00	75.07	F	ATOM 20815 CA ASN F 349	65.026	59.189	-9.695	1.00	200.67	F
	ATOM 20731 CG2 THR F 337	42.696	45.798	-7.901	1.00	75.07	F	ATOM 20816 CB ASN F 349	65.664	58.785	-11.033	1.00	200.84	F
	ATOM 20732 C THR F 337	44.861	43.910	-7.942	1.00	90.49	F	ATOM 20817 CG ASN F 349	66.437	57.485	-10.948	1.00	188.18	F
	ATOM 20733 O THR F 337	45.519	43.997	-6.902	1.00	81.87	F	ATOM 20818 OD1 ASN F 349	67.418	57.376	-10.209	1.00	188.18	F
	ATOM 20734 N VAL F 338	45.355	44.242	-9.125	1.00	83.98	F	ATOM 20819 ND2 ASN F 349	66.003	56.492	-11.714	1.00	188.18	F
	ATOM 20735 CA VAL F 338	46.722	44.729	-9.215	1.00	90.84	F	ATOM 20820 C ASN F 349	63.597	58.646	-9.592	1.00	200.77	F
	ATOM 20736 CB VAL F 338	47.608	43.782	-10.064	1.00	92.16	F	ATOM 20821 O ASN F 349	62.709	59.348	-9.111	1.00	200.77	F
	ATOM 20737 CG1 VAL F 338	49.076	44.187	-9.938	1.00	91.78	F							

65251/C766

1	ATOM 20830 N THR F 351	60.650	55.299	-8.688	1.00128.39	F	ATOM 20915 CG PRO F 361	45.622	31.151	-3.673	1.00 76.87	F
	ATOM 20831 CA THR F 351	60.348	54.113	-7.886	1.00126.35	F	ATOM 20916 C PRO F 361	47.198	32.460	-1.169	1.00 76.76	F
	ATOM 20832 CB THR F 351	60.202	54.460	-6.374	1.00133.23	F	ATOM 20917 O PRO F 361	47.560	33.174	-2.097	1.00 73.93	F
	ATOM 20833 OGI THR F 351	60.658	53.358	-5.583	1.00100.35	F	ATOM 20918 N PRO F 362	47.664	32.622	0.078	1.00 62.55	F
	ATOM 20834 CG2 THR F 351	58.744	54.722	-6.005	1.00100.35	F	ATOM 20919 CD PRO F 362	47.333	31.706	1.183	1.00 69.12	F
5	ATOM 20835 C THR F 351	59.047	53.465	-8.369	1.00120.58	F	ATOM 20920 CA PRO F 362	48.668	33.609	0.498	1.00 56.26	F
	ATOM 20836 O THR F 351	58.054	54.154	-8.621	1.00112.17	F	ATOM 20921 CB PRO F 362	48.804	33.351	1.992	1.00 69.12	F
	ATOM 20837 N LEU F 352	59.058	52.143	-8.508	1.00 94.95	F	ATOM 20922 CG PRO F 362	48.494	31.897	2.108	1.00 69.12	F
	ATOM 20838 CA LEU F 352	57.871	51.424	-8.950	1.00 97.97	F	ATOM 20923 C PRO F 362	50.006	33.658	-0.208	1.00 58.86	F
	ATOM 20839 CB LEU F 352	58.196	50.555	-10.165	1.00141.26	F	ATOM 20924 O PRO F 362	50.747	34.643	-0.068	1.00 63.62	F
10	ATOM 20840 CG LEU F 352	58.233	51.374	-11.459	1.00122.32	F	ATOM 20925 N ASP F 363	50.324	32.608	-0.963	1.00 60.73	F
	ATOM 20841 CD1 LEU F 352	58.825	50.563	-12.596	1.00122.32	F	ATOM 20926 CA ASP F 363	51.580	32.580	-1.701	1.00 60.58	F
	ATOM 20842 CD2 LEU F 352	56.819	51.827	-11.789	1.00122.32	F	ATOM 20927 CB ASP F 363	52.001	31.134	-2.032	1.00 88.03	F
	ATOM 20843 C LEU F 352	57.304	50.582	-7.822	1.00 94.65	F	ATOM 20928 CG ASP F 363	50.867	30.291	-2.607	1.00 82.24	F
	ATOM 20844 O LEU F 352	58.041	49.918	-7.092	1.00 90.27	F	ATOM 20929 ODI ASP F 363	49.818	30.152	-1.934	1.00 82.24	F
15	ATOM 20845 N GLU F 353	55.984	50.625	-7.684	1.00 84.15	F	ATOM 20930 OD2 ASP F 363	51.037	29.751	-3.729	1.00 82.24	F
	ATOM 20846 CA GLU F 353	55.306	49.890	-6.635	1.00 80.40	F	ATOM 20931 C ASP F 363	51.460	33.408	-2.970	1.00 64.12	F
	ATOM 20847 CB GLU F 353	54.767	50.861	-5.595	1.00200.84	F	ATOM 20932 O ASP F 363	50.565	33.204	-3.784	1.00 60.62	F
	ATOM 20848 CG GLU F 353	54.069	50.189	-4.443	1.00163.89	F	ATOM 20933 N VAL F 364	52.351	34.376	-3.109	1.00 53.71	F
	ATOM 20849 CD GLU F 353	53.480	51.190	-3.482	1.00163.89	F	ATOM 20934 CA VAL F 364	52.366	35.233	-4.285	1.00 56.03	F
20	ATOM 20850 OE1 GLU F 353	54.241	52.043	-2.976	1.00163.89	F	ATOM 20935 CB VAL F 364	51.609	36.567	-4.057	1.00 72.46	F
	ATOM 20851 OE2 GLU F 353	52.259	51.124	-3.234	1.00163.89	F	ATOM 20936 CG1 VAL F 364	52.062	37.600	-5.057	1.00 50.85	F
	ATOM 20852 C GLU F 353	54.166	49.053	-7.178	1.00 83.65	F	ATOM 20937 CG2 VAL F 364	50.130	36.357	-4.245	1.00 50.85	F
	ATOM 20853 O GLU F 353	53.177	49.581	-7.684	1.00 84.43	F	ATOM 20938 C VAL F 364	53.808	35.551	-4.584	1.00 63.37	F
	ATOM 20854 N CYS F 354	54.316	47.740	-7.061	1.00 92.98	F	ATOM 20939 O VAL F 364	54.613	35.750	-3.677	1.00 55.11	F
25	ATOM 20855 CA CYS F 354	53.313	46.795	-7.527	1.00 93.26	F	ATOM 20940 N ILE F 365	54.144	35.572	-5.860	1.00 69.91	F
	ATOM 20856 C CYS F 354	52.513	46.394	-6.305	1.00 94.35	F	ATOM 20941 CA ILE F 365	55.494	35.898	-6.246	1.00 63.96	F
	ATOM 20857 O CYS F 354	53.081	45.906	-5.328	1.00 93.05	F	ATOM 20942 CB ILE F 365	56.271	34.664	-6.714	1.00 70.32	F
	ATOM 20858 CB CYS F 354	54.001	45.562	-8.116	1.00148.13	F	ATOM 20943 CG2 ILE F 365	57.627	35.085	-7.265	1.00 46.76	F
	ATOM 20859 SG CYS F 354	52.961	44.456	-9.125	1.00125.32	F	ATOM 20944 CG1 ILE F 365	56.461	33.715	-5.527	1.00 46.76	F
30	ATOM 20860 N THR F 355	51.206	46.616	-6.333	1.00 72.21	F	ATOM 20945 CD1 ILE F 365	57.273	32.475	-5.827	1.00 46.76	F
	ATOM 20861 CA THR F 355	50.398	46.230	-5.184	1.00 61.57	F	ATOM 20946 C ILE F 365	55.429	36.942	-7.333	1.00 70.72	F
	ATOM 20862 CB THR F 355	49.752	47.444	-4.487	1.00146.93	F	ATOM 20947 O ILE F 365	54.521	36.954	-8.169	1.00 71.49	F
	ATOM 20863 OGI THR F 355	48.384	47.557	-4.896	1.00 96.08	F	ATOM 20948 N THR F 366	56.409	37.826	-7.309	1.00 54.79	F
	ATOM 20864 CG2 THR F 355	50.497	48.722	-4.840	1.00 96.08	F	ATOM 20949 CA THR F 366	56.462	38.923	-8.241	1.00 63.07	F
35	ATOM 20865 C THR F 355	49.304	45.270	-5.616	1.00 75.06	F	ATOM 20950 CB THR F 366	56.222	40.225	-7.468	1.00112.43	F
	ATOM 20866 O THR F 355	48.537	45.541	-6.547	1.00 67.86	F	ATOM 20951 OGI THR F 366	55.093	40.901	-8.024	1.00100.11	F
	ATOM 20867 N VAL F 356	49.250	44.138	-4.926	1.00 88.62	F	ATOM 20952 CG2 THR F 366	57.453	41.121	-7.500	1.00100.11	F
	ATOM 20868 CA VAL F 356	48.278	43.093	-5.206	1.00 84.34	F	ATOM 20953 C THR F 366	57.783	38.997	-8.985	1.00 72.05	F
	ATOM 20869 CB VAL F 356	48.994	41.739	-5.345	1.00 80.43	F	ATOM 20954 O THR F 366	58.853	38.839	-8.391	1.00 71.29	F

65251/C766

1	ATOM 21000 O SER F 371	58.896	44.954	-23.215	1.00	98.76	F	ATOM 21085 O TYR F 380	53.222	33.850	-20.158	1.00	68.79	F
	ATOM 21001 N GLU F 372	60.915	45.808	-22.716	1.00	92.77	F	ATOM 21086 N VAL F 381	54.982	34.294	-21.487	1.00	50.22	F
	ATOM 21002 CA GLU F 372	61.458	45.506	-24.035	1.00	91.32	F	ATOM 21087 CA VAL F 381	54.953	32.977	-22.126	1.00	50.22	F
	ATOM 21003 CB GLU F 372	62.938	45.890	-24.104	1.00	127.65	F	ATOM 21088 CB VAL F 381	55.613	33.020	-23.521	1.00	57.03	F
	ATOM 21004 CG GLU F 372	63.801	45.201	-23.061	1.00	127.65	F	ATOM 21089 CG1 VAL F 381	55.448	31.682	-24.218	1.00	57.03	F
	ATOM 21005 CD GLU F 372	65.282	45.333	-23.346	1.00	127.65	F	ATOM 21090 CG2 VAL F 381	54.982	34.111	-24.348	1.00	57.03	F
	ATOM 21006 OE1 GLU F 372	65.727	44.818	-24.394	1.00	127.65	F	ATOM 21091 C VAL F 381	55.658	31.924	-21.256	1.00	50.22	F
5	ATOM 21007 OE2 GLU F 372	66.000	45.947	-22.526	1.00	127.65	F	ATOM 21092 O VAL F 381	56.856	32.038	-20.967	1.00	50.22	F
	ATOM 21008 C GLU F 372	61.314	44.015	-24.341	1.00	95.93	F	ATOM 21093 N ASN F 382	54.908	30.892	-20.869	1.00	76.52	F
	ATOM 21009 O GLU F 372	60.997	43.626	-25.468	1.00	97.00	F	ATOM 21094 CA ASN F 382	55.421	29.846	-20.000	1.00	76.52	F
	ATOM 21010 N HIS F 373	61.538	43.191	-23.320	1.00	110.62	F	ATOM 21095 CB ASN F 382	54.574	28.586	-20.108	1.00	54.96	F
	ATOM 21011 CA HIS F 373	61.462	41.744	-23.453	1.00	114.11	F	ATOM 21096 CG ASN F 382	54.668	27.717	-18.854	1.00	54.96	F
	ATOM 21012 CB HIS F 373	61.961	41.081	-22.176	1.00	133.60	F	ATOM 21097 OD1 ASN F 382	55.701	27.692	-18.166	1.00	54.96	F
	ATOM 21013 CG HIS F 373	63.389	41.393	-21.864	1.00	102.95	F	ATOM 21098 ND2 ASN F 382	53.592	26.990	-18.560	1.00	54.96	F
10	ATOM 21014 CD2 HIS F 373	63.970	41.915	-20.758	1.00	102.95	F	ATOM 21099 C ASN F 382	56.880	29.462	-20.180	1.00	76.52	F
	ATOM 21015 ND1 HIS F 373	64.409	41.171	-22.764	1.00	102.95	F	ATOM 21100 O ASN F 382	57.744	29.899	-19.421	1.00	76.52	F
	ATOM 21016 CE1 HIS F 373	65.557	41.542	-22.226	1.00	102.95	F	ATOM 21101 N GLY F 383	57.180	28.647	-21.173	1.00	42.41	F
	ATOM 21017 NE2 HIS F 373	65.318	41.998	-21.009	1.00	102.95	F	ATOM 21102 CA GLY F 383	58.569	28.244	-21.314	1.00	42.41	F
	ATOM 21018 C HIS F 373	60.097	41.191	-23.808	1.00	109.88	F	ATOM 21103 C GLY F 383	59.582	29.267	-21.810	1.00	42.41	F
	ATOM 21019 O HIS F 373	59.973	40.003	-24.092	1.00	105.72	F	ATOM 21104 O GLY F 383	60.752	28.942	-21.997	1.00	42.41	F
	ATOM 21020 N PHE F 374	59.069	42.029	-23.790	1.00	82.14	F	ATOM 21105 N ARG F 384	59.161	30.505	-22.022	1.00	66.07	F
15	ATOM 21021 CA PHE F 374	57.746	41.549	-24.149	1.00	82.91	F	ATOM 21106 CA ARG F 384	60.086	31.501	-22.536	1.00	66.07	F
	ATOM 21022 CB PHE F 374	56.685	42.104	-23.207	1.00	109.56	F	ATOM 21107 CB ARG F 384	59.303	32.672	-23.129	1.00	67.93	F
	ATOM 21023 CG PHE F 374	56.731	41.493	-21.850	1.00	89.74	F	ATOM 21108 CG ARG F 384	60.163	33.689	-23.871	1.00	67.93	F
	ATOM 21024 CD1 PHE F 374	57.647	41.941	-20.906	1.00	89.74	F	ATOM 21109 CD ARG F 384	59.296	34.579	-24.742	1.00	67.93	F
	ATOM 21025 CD2 PHE F 374	55.911	40.417	-21.535	1.00	89.74	F	ATOM 21110 NE ARG F 384	58.553	33.780	-25.712	1.00	67.93	F
	ATOM 21026 CE1 PHE F 374	57.751	41.327	-19.669	1.00	89.74	F	ATOM 21111 CZ ARG F 384	57.561	34.238	-26.472	1.00	67.93	F
	ATOM 21027 CE2 PHE F 374	56.006	39.793	-20.301	1.00	89.74	F	ATOM 21112 NH1 ARG F 384	57.180	35.503	-26.383	1.00	67.93	F
20	ATOM 21028 CZ PHE F 374	56.931	40.250	-19.364	1.00	89.74	F	ATOM 21113 NH2 ARG F 384	56.938	33.426	-27.319	1.00	67.93	F
	ATOM 21029 C PHE F 374	57.393	41.884	-25.585	1.00	78.99	F	ATOM 21114 C ARG F 384	61.074	32.005	-21.496	1.00	66.07	F
	ATOM 21030 O PHE F 374	56.240	41.740	-25.993	1.00	77.23	F	ATOM 21115 O ARG F 384	60.774	32.043	-20.307	1.00	66.07	F
	ATOM 21031 N LYS F 375	58.401	42.316	-26.344	1.00	115.84	F	ATOM 21116 N TYR F 385	62.260	32.382	-21.953	1.00	70.43	F
	ATOM 21032 CA LYS F 375	58.250	42.669	-27.757	1.00	118.47	F	ATOM 21117 CA TYR F 385	63.288	32.901	-21.065	1.00	70.43	F
	ATOM 21033 CB LYS F 375	58.713	41.506	-28.651	1.00	126.83	F	ATOM 21118 CB TYR F 385	64.675	32.622	-21.644	1.00	104.79	F
	ATOM 21034 CG LYS F 375	60.225	41.377	-28.843	1.00	100.67	F	ATOM 21119 CG TYR F 385	65.767	33.321	-20.879	1.00	104.79	F
25	ATOM 21035 CD LYS F 375	60.947	40.915	-27.586	1.00	100.67	F	ATOM 21120 CD1 TYR F 385	66.179	32.850	-19.636	1.00	104.79	F
	ATOM 21036 CE LYS F 375	62.432	40.697	-27.852	1.00	100.67	F	ATOM 21121 CE1 TYR F 385	67.121	33.539	-18.882	1.00	104.79	F
	ATOM 21037 NZ LYS F 375	63.179	40.304	-26.620	1.00	100.67	F	ATOM 21122 CD2 TYR F 385	66.331	34.502	-21.357	1.00	104.79	F
	ATOM 21038 C LYS F 375	56.836	43.075	-28.169	1.00	123.49	F	ATOM 21123 CE2 TYR F 385	67.273	35.200	-20.610	1.00	104.79	F
	ATOM 21039 O LYS F 375	56.270	42.503	-29.098	1.00	125.75	F	ATOM 21124 CZ TYR F 385	67.662	34.714	-19.374	1.00	104.79	F
	ATOM 21040 N GLY F 376	56.260	44.050	-27.475	1.00	79.05	F	ATOM 21125 OH TYR F 385	68.577	35.415	-18.622	1.00	104.79	F
	ATOM 21041 CA GLY F 376	54.924	44.502	-27.830	1.00	79.05	F	ATOM 21126 C TYR F 385	63.126	34.414	-20.880	1.00	70.43	F
30	ATOM 21042 C GLY F 376	53.731	43.764	-27.240	1.00	79.05	F	ATOM 21127 O TYR F 385	62.798	35.131	-21.830	1.00	70.43	F
	ATOM 21043 O GLY F 376	52.682	44.373	-27.020	1.00	79.05	F	ATOM 21128 N TYR F 386	63.362	34.903	-19.663	1.00	76.85	F
	ATOM 21044 N GLU F 377	53.863	42.464	-26.995	1.00	114.85	F	ATOM 21129 CA TYR F 386	63.253	36.338	-19.381	1.00	76.85	F
	ATOM 21045 CA GLU F 377	52.761	41.690	-26.426	1.00	114.85	F	ATOM 21130 CB TYR F 386	61.881	36.712	-18.800	1.00	79.81	F
	ATOM 21046 CB GLU F 377	52.626	40.346	-27.142	1.00	126.54	F	ATOM 21131 CG TYR F 386	60.675	36.494	-19.680	1.00	79.81	F
	ATOM 21047 CG GLU F 377	51.350	39.596	-26.796	1.00	126.54	F	ATOM 21132 CD1 TYR F 386	59.912	35.337	-19.566	1.00	79.81	F
	ATOM 21048 CD GLU F 377	51.222	38.287	-27.549	1.00	126.54	F	ATOM 21133 CE1 TYR F 386	58.771	35.147	-20.337	1.00	79.81	F
35	ATOM 21049 OE1 GLU F 377	50.147	37.657	-27.459	1.00	126.54	F	ATOM 21134 CD2 TYR F 386	60.271	37.463	-20.598	1.00	79.81	F
	ATOM 21050 OE2 GLU F 377	52.195	37.888	-28.228	1.00	126.54	F	ATOM 21135 CE2 TYR F 386	59.128	37.281	-21.378	1.00	79.81	F
	ATOM 21051 C GLU F 377	53.006	41.462	-24.937	1.00	114.85	F	ATOM 21136 CZ TYR F 386	58.381	36.118	-21.239	1.00	79.81	F
	ATOM 21052 O GLU F 377	53.989	40.827	-24.552	1.00	114.85	F	ATOM 21137 OH TYR F 386	57.241	35.928	-21.991	1.00	79.81	F
	ATOM 21053 N TYR F 378	52.108	41.979	-24.100	1.00	82.59	F	ATOM 21138 C TYR F 386	64.273	36.815	-18.359	1.00	76.85	F
	ATOM 21054 CA TYR F 378	52.256	41.845	-22.657	1.00	82.59	F	ATOM 21139 O TYR F 386	64.338	36.277	-17.254	1.00	76.85	F
	ATOM 21055 CB TYR F 378	51.756	43.111	-21.962	1.00	84.77	F	ATOM 21140 N PRO F 387	65.096	37.817	-18.708	1.00	107.09	F
40	ATOM 21056 CG TYR F 378	52.659	44.292	-22.223	1.00	84.77	F	ATOM 21141 CD PRO F 387	65.344	38.395	-20.038	1.00	66.88	F
	ATOM 21057 CD1 TYR F 378	52.406	45.179	-23.270	1.00	84.77	F	ATOM 21142 CA PRO F 387	66.073	38.312	-17.729	1.00	107.09	F
	ATOM 21058 CE1 TYR F 378	53.297	46.213	-23.568	1.00	84.77	F	ATOM 21143 CB PRO F 387	66.848	39.356	-18.523	1.00	66.88	F
	ATOM 21059 CD2 TYR F 378	53.823	44.472	-21.476	1.00	84.77	F	ATOM 21144 CG PRO F 387	66.783	38.828	-19.924	1.00	66.88	F
	ATOM 21060 CE2 TYR F 378	54.718	45.500	-21.768	1.00	84.77	F	ATOM 21145 C PRO F 387	65.146	38.936	-16.684	1.00	107.09	F
	ATOM 21061 CZ TYR F 378	54.453	46.364	-22.813	1.00	84.77	F	ATOM 21146 O PRO F 387	64.099	39.465	-17.062	1.00	107.09	F
	ATOM 21062 OH TYR F 378	55.358	47.359	-23.113	1.00	84.77	F	ATOM 21147 N GLU F 388	65.480	38.915	-15.396	1.00	131.10	F
45	ATOM 21063 C TYR F 378	51.623	40.614	-22.034	1.00	82.59	F	ATOM 21148 CA GLU F 388	64.488	39.456	-14.472	1.00	131.10	F
	ATOM 21064 O TYR F 378	50.676	40.705	-21.256	1.00	82.59	F	ATOM 21149 CB GLU F 388	63.648	38.300	-13.929	1.00	130.96	F
	ATOM 21065 N LYS F 379	52.171	39.461	-22.400	1.00	77.68	F	ATOM 21150 CG GLU F 388	64.391	37.376	-12.987	1.00	130.96	F
	ATOM 21066 CA LYS F 379	51.746	38.167	-21.886	1.00	77.68	F	ATOM 21151 CD GLU F 388	63.455	36.427	-12.268	1.00		

65251/C766

1	ATOM 21170 N GLY F 390	66.824	40.562	-10.411	1.00116.80	F	ATOM 21255 O PRO F 400	59.436	33.231	4.413	1.00	64.50	F	
	ATOM 21171 CA GLY F 390	66.713	39.868	-9.140	1.00116.80	F	ATOM 21256 N GLY F 401	61.343	32.131	3.996	1.00	73.45	F	
	ATOM 21172 C GLY F 390	66.706	40.771	-7.921	1.00116.80	F	ATOM 21257 CA GLY F 401	62.157	33.209	4.528	1.00	73.01	F	
	ATOM 21173 O GLY F 390	67.234	41.879	-7.958	1.00116.80	F	ATOM 21258 C GLY F 401	62.273	34.441	3.639	1.00	72.80	F	
	ATOM 21174 N ARG F 391	66.094	40.294	-6.841	1.00115.28	F	ATOM 21259 O GLY F 401	62.801	35.465	4.066	1.00	73.51	F	
5	ATOM 21175 CA ARG F 391	66.034	41.036	-5.588	1.00115.28	F	ATOM 21260 N PHE F 402	61.789	34.364	2.405	1.00	104.17	F	
	ATOM 21176 CB ARG F 391	64.736	40.698	-4.842	1.00111.27	F	ATOM 21261 CA PHE F 402	61.879	35.511	1.512	1.00	104.17	F	
	ATOM 21177 CG ARG F 391	63.457	41.013	-5.622	1.00111.27	F	ATOM 21262 CB PHE F 402	61.517	35.116	0.086	1.00	174.24	F	
	ATOM 21178 CD ARG F 391	62.850	42.382	-5.271	1.00111.27	F	ATOM 21263 CG PHE F 402	62.057	36.059	-0.939	1.00	72.57	F	
	ATOM 21179 NE ARG F 391	61.874	42.320	-4.176	1.00111.27	F	ATOM 21264 CD1 PHE F 402	63.410	36.034	-1.275	1.00	72.57	F	
10	ATOM 21180 CZ ARG F 391	62.180	42.222	-2.881	1.00111.27	F	ATOM 21265 CD2 PHE F 402	61.233	37.012	-1.528	1.00	72.57	F	
	ATOM 21181 NH1 ARG F 391	63.448	42.180	-2.489	1.00111.27	F	ATOM 21266 CE1 PHE F 402	63.937	36.949	-2.185	1.00	72.57	F	
	ATOM 21182 NH2 ARG F 391	61.212	42.159	-1.972	1.00111.27	F	ATOM 21267 CE2 PHE F 402	61.749	37.936	-2.439	1.00	72.57	F	
	ATOM 21183 C ARG F 391	67.256	40.596	-4.771	1.00115.28	F	ATOM 21268 CZ PHE F 402	63.106	37.904	-2.769	1.00	72.57	F	
	ATOM 21184 O ARG F 391	67.916	39.618	-5.121	1.00115.28	F	ATOM 21269 C PHE F 402	60.962	36.642	1.977	1.00	104.17	F	
15	ATOM 21185 N LYS F 392	67.572	41.312	-3.697	1.00	97.75	F	ATOM 21270 O PHE F 402	59.778	36.425	2.237	1.00	104.17	F
	ATOM 21186 CA LYS F 392	68.724	40.952	-2.873	1.00	97.75	F	ATOM 21271 N PRO F 403	61.503	37.870	2.075	1.00	106.90	F
	ATOM 21187 CB LYS F 392	69.654	42.156	-2.695	1.00	121.82	F	ATOM 21272 CD PRO F 403	62.908	38.200	1.791	1.00	86.17	F
	ATOM 21188 CG LYS F 392	70.879	41.851	-1.854	1.00	121.82	F	ATOM 21273 CA PRO F 403	60.783	39.071	2.506	1.00	106.90	F
	ATOM 21189 CD LYS F 392	71.641	43.110	-1.494	1.00	121.82	F	ATOM 21274 CB PRO F 403	61.893	40.114	2.677	1.00	109.10	F
20	ATOM 21190 CE LYS F 392	72.766	42.806	-0.510	1.00	121.82	F	ATOM 21275 CG PRO F 403	63.151	39.323	2.748	1.00	86.17	F
	ATOM 21191 NZ LYS F 392	73.423	44.048	-0.003	1.00	121.82	F	ATOM 21276 C PRO F 403	59.738	39.566	1.515	1.00	106.90	F
	ATOM 21192 C LYS F 392	68.291	40.437	-1.501	1.00	97.75	F	ATOM 21277 O PRO F 403	60.077	40.194	0.512	1.00	106.90	F
	ATOM 21193 O LYS F 392	67.724	41.181	-0.700	1.00	97.75	F	ATOM 21278 N TRP F 404	58.472	39.277	1.785	1.00	117.41	F
	ATOM 21194 N SER F 393	68.569	39.163	-1.234	1.00	101.21	F	ATOM 21279 CA TRP F 404	57.393	39.755	0.930	1.00	117.41	F
25	ATOM 21195 CA SER F 393	68.209	38.536	0.038	1.00	101.21	F	ATOM 21280 CB TRP F 404	56.551	38.602	0.375	1.00	105.51	F
	ATOM 21196 CB SER F 393	66.708	38.221	0.070	1.00	64.15	F	ATOM 21281 CG TRP F 404	57.192	37.820	-0.737	1.00	98.75	F
	ATOM 21197 OG SER F 393	66.342	37.527	1.253	1.00	64.15	F	ATOM 21282 CD2 TRP F 404	57.599	38.311	-2.025	1.00	98.75	F
	ATOM 21198 C SER F 393	68.994	37.244	0.206	1.00	101.21	F	ATOM 21283 CE2 TRP F 404	58.109	37.212	-2.746	1.00	98.75	F
	ATOM 21199 O SER F 393	69.481	36.682	-0.773	1.00	101.21	F	ATOM 21284 CE3 TRP F 404	57.582	39.571	-2.638	1.00	98.75	F
30	ATOM 21200 N ASN F 394	69.126	36.776	1.443	1.00	107.11	F	ATOM 21285 CD1 TRP F 404	57.467	36.484	-0.735	1.00	98.75	F
	ATOM 21201 CA ASN F 394	69.842	35.530	1.688	1.00	107.11	F	ATOM 21286 NE1 TRP F 404	58.016	36.112	-1.935	1.00	98.75	F
	ATOM 21202 CB ASN F 394	70.246	35.414	3.151	1.00	97.91	F	ATOM 21287 CZ2 TRP F 404	58.598	37.332	-4.054	1.00	98.75	F
	ATOM 21203 CG ASN F 394	71.356	36.364	3.515	1.00	97.91	F	ATOM 21288 CZ3 TRP F 404	58.070	39.689	-3.943	1.00	98.75	F
	ATOM 21204 OD1 ASN F 394	72.380	36.429	2.831	1.00	97.91	F	ATOM 21289 CH2 TRP F 404	58.570	38.576	-4.632	1.00	98.75	F
35	ATOM 21205 ND2 ASN F 394	71.166	37.106	4.602	1.00	97.91	F	ATOM 21290 C TRP F 404	56.529	40.607	1.841	1.00	117.41	F
	ATOM 21206 C ASN F 394	68.945	34.368	1.311	1.00	107.11	F	ATOM 21291 O TRP F 404	56.168	40.170	2.935	1.00	117.41	F
	ATOM 21207 O ASN F 394	69.410	33.250	1.100	1.00	107.11	F	ATOM 21292 N ASN F 405	56.208	41.821	1.406	1.00	73.58	F
	ATOM 21208 N TYR F 395	67.650	34.651	1.233	1.00	64.27	F	ATOM 21293 CA ASN F 405	55.378	42.702	2.219	1.00	73.61	F
	ATOM 21209 CA TYR F 395	66.667	33.656	0.855	1.00	64.27	F	ATOM 21294 CB ASN F 405	55.550	44.152	1.767	1.00	93.30	F

65251/C766

1	ATOM 21340 NZ LYS F 410	40.591	44.427	2.028	1.00115.33	F	ATOM 21425 C VAL F 421	62.152	49.935	-7.141	1.00127.50	F
	ATOM 21341 C LYS F 410	40.195	42.120	7.546	1.00133.40	F	ATOM 21426 O VAL F 421	61.514	50.923	-7.499	1.00123.10	F
	ATOM 21342 O LYS F 410	40.145	41.336	6.600	1.00132.93	F	ATOM 21427 N ARG F 422	63.474	49.933	-6.992	1.00105.21	F
	ATOM 21343 N ASP F 411	39.495	41.962	8.666	1.00 86.87	F	ATOM 21428 CA ARG F 422	64.297	51.113	-7.236	1.00107.34	F
	ATOM 21344 CA ASP F 411	38.611	40.819	8.894	1.00 84.38	F	ATOM 21429 CB ARG F 422	65.611	50.978	-6.465	1.00181.93	F
5	ATOM 21345 CB ASP F 411	37.361	41.253	9.666	1.00183.80	F	ATOM 21430 CG ARG F 422	65.932	52.127	-5.528	1.00142.52	F
	ATOM 21346 CG ASP F 411	37.557	41.200	11.168	1.00183.80	F	ATOM 21431 CD ARG F 422	66.472	53.337	-6.272	1.00142.52	F
	ATOM 21347 ODI ASP F 411	37.996	40.144	11.672	1.00183.80	F	ATOM 21432 NE ARG F 422	66.917	54.376	-5.346	1.00142.52	F
	ATOM 21348 OD2 ASP F 411	37.266	42.206	11.847	1.00183.80	F	ATOM 21433 CZ ARG F 422	67.559	55.484	-5.706	1.00142.52	F
	ATOM 21349 C ASP F 411	38.179	40.060	7.643	1.00 85.99	F	ATOM 21434 NH1 ARG F 422	67.838	55.710	-6.984	1.00142.52	F
10	ATOM 21350 O ASP F 411	37.091	40.284	7.107	1.00 90.17	F	ATOM 21435 NH2 ARG F 422	67.927	56.366	-4.786	1.00142.52	F
	ATOM 21351 N ALA F 412	39.043	39.150	7.197	1.00178.26	F	ATOM 21436 C ARG F 422	64.590	51.243	-8.730	1.00104.57	F
	ATOM 21352 CA ALA F 412	38.790	38.330	6.016	1.00191.28	F	ATOM 21437 O ARG F 422	65.470	50.559	-9.250	1.00 95.24	F
	ATOM 21353 CB ALA F 412	38.813	39.190	4.759	1.00 60.70	F	ATOM 21438 N THR F 423	63.861	52.120	-9.417	1.00132.46	F
	ATOM 21354 C ALA F 412	39.846	37.236	5.913	1.00185.98	F	ATOM 21439 CA THR F 423	64.050	52.313	-10.855	1.00142.11	F
15	ATOM 21355 O ALA F 412	40.822	37.227	6.662	1.00181.03	F	ATOM 21440 CB THR F 423	62.895	53.147	-11.480	1.00195.79	F
	ATOM 21356 N ASN F 413	39.645	36.316	4.977	1.00124.87	F	ATOM 21441 OG1 THR F 423	61.640	52.519	-11.199	1.00151.58	F
	ATOM 21357 CA ASN F 413	40.579	35.218	4.775	1.00117.68	F	ATOM 21442 CG2 THR F 423	63.056	53.248	-12.996	1.00151.58	F
	ATOM 21358 CB ASN F 413	39.839	33.986	4.266	1.00 93.50	F	ATOM 21443 C THR F 423	65.365	53.014	-11.178	1.00140.33	F
	ATOM 21359 CG ASN F 413	38.798	33.496	5.238	1.00 93.50	F	ATOM 21444 O THR F 423	65.363	54.120	-11.712	1.00138.82	F
20	ATOM 21360 ODI ASN F 413	39.035	33.459	6.447	1.00 93.50	F	ATOM 21445 N THR F 424	66.488	52.379	-10.855	1.00175.73	F
	ATOM 21361 ND2 ASN F 413	37.640	33.102	4.720	1.00 93.50	F	ATOM 21446 CA THR F 424	67.788	52.975	-11.143	1.00175.73	F
	ATOM 21362 C ASN F 413	41.651	35.581	3.769	1.00122.26	F	ATOM 21447 CB THR F 424	68.941	52.112	-10.594	1.00199.50	F
	ATOM 21363 O ASN F 413	42.674	34.909	3.663	1.00121.95	F	ATOM 21448 OG1 THR F 424	68.768	51.931	-9.184	1.00145.31	F
	ATOM 21364 N THR F 414	41.408	36.656	3.034	1.00 72.74	F	ATOM 21449 CG2 THR F 424	70.286	52.789	-10.846	1.00145.31	F
25	ATOM 21365 CA THR F 414	42.312	37.111	1.998	1.00 75.78	F	ATOM 21450 C THR F 424	67.938	53.114	-12.655	1.00175.73	F
	ATOM 21366 CB THR F 414	41.517	37.960	0.999	1.00129.14	F	ATOM 21451 O THR F 424	67.298	52.391	-13.419	1.00175.73	F
	ATOM 21367 OG1 THR F 414	42.390	38.415	-0.029	1.00 99.63	F	ATOM 21452 N SER F 425	68.783	54.045	-13.085	1.00180.14	F
	ATOM 21368 CG2 THR F 414	40.867	39.147	1.690	1.00 99.63	F	ATOM 21453 CA SER F 425	68.991	54.285	-14.507	1.00180.14	F
	ATOM 21369 C THR F 414	43.558	37.867	2.494	1.00 75.24	F	ATOM 21454 CB SER F 425	69.680	55.634	-14.707	1.00200.84	F
30	ATOM 21370 O THR F 414	43.631	38.258	3.659	1.00 76.31	F	ATOM 21455 OG SER F 425	69.794	55.947	-16.083	1.00104.56	F
	ATOM 21371 N TYR F 415	44.541	38.046	1.608	1.00 61.97	F	ATOM 21456 C SER F 425	69.792	53.191	-15.213	1.00180.14	F
	ATOM 21372 CA TYR F 415	45.796	38.742	1.932	1.00 63.00	F	ATOM 21457 O SER F 425	70.018	53.266	-16.420	1.00180.14	F
	ATOM 21373 CB TYR F 415	46.980	37.765	1.966	1.00 93.98	F	ATOM 21458 N LYS F 426	70.218	52.177	-14.465	1.00163.16	F
	ATOM 21374 CG TYR F 415	46.928	36.741	3.070	1.00 60.92	F	ATOM 21459 CA LYS F 426	70.991	51.076	-15.038	1.00163.16	F
35	ATOM 21375 CD1 TYR F 415	45.966	35.729	3.067	1.00 60.92	F	ATOM 21460 CB LYS F 426	71.305	50.039	-13.961	1.00200.84	F
	ATOM 21376 CE1 TYR F 415	45.905	34.792	4.089	1.00 60.92	F	ATOM 21461 CG LYS F 426	71.933	50.610	-12.712	1.00147.29	F
	ATOM 21377 CD2 TYR F 415	47.835	36.789	4.133	1.00 60.92	F	ATOM 21462 CD LYS F 426	72.033	49.545	-11.640	1.00147.29	F
	ATOM 21378 CE2 TYR F 415	47.782	35.856	5.167	1.00 60.92	F	ATOM 21463 CE LYS F 426	72.523	50.129	-10.330	1.00147.29	F
	ATOM 21379 CZ TYR F 415	46.816	34.862	5.136	1.00 60.92	F	ATOM 21464 NZ LYS F 426	72.583	49.087	-9.268	1.00147.29	F

65251/C766

1	ATOM 21509 O VAL F 432	57.447	43.981	-14.499	1.00	67.25	F	ATOM 21594 NE2 GLN F 443	44.801	38.363	-15.113	1.00	73.99	F
	ATOM 21510 N CYS F 433	55.421	44.805	-14.027	1.00	68.03	F	ATOM 21595 C GLN F 443	50.691	39.371	-15.430	1.00	85.77	F
	ATOM 21511 CA CYS F 433	55.242	43.852	-12.946	1.00	63.91	F	ATOM 21596 O GLN F 443	51.417	39.518	-14.448	1.00	86.83	F
	ATOM 21512 C CYS F 433	54.518	42.582	-13.383	1.00	61.55	F	ATOM 21597 N VAL F 444	50.729	40.172	-16.486	1.00	66.04	F
	ATOM 21513 O CYS F 433	53.408	42.648	-13.919	1.00	62.29	F	ATOM 21598 CA VAL F 444	51.646	41.297	-16.554	1.00	63.19	F
5	ATOM 21514 CB CYS F 433	54.484	44.514	-11.788	1.00	162.83	F	ATOM 21599 CB VAL F 444	52.322	41.356	-17.937	1.00	80.95	F
	ATOM 21515 SG CYS F 433	54.322	43.486	-10.291	1.00	109.94	F	ATOM 21600 CG1 VAL F 444	53.546	42.247	-17.877	1.00	73.25	F
	ATOM 21516 N VAL F 434	55.154	41.427	-13.162	1.00	57.62	F	ATOM 21601 CG2 VAL F 444	52.710	39.960	-18.381	1.00	73.25	F
	ATOM 21517 CA VAL F 434	54.553	40.138	-13.498	1.00	53.61	F	ATOM 21602 C VAL F 444	50.891	42.608	-16.291	1.00	67.01	F
	ATOM 21518 CB VAL F 434	55.529	39.223	-14.265	1.00	62.10	F	ATOM 21603 O VAL F 444	49.751	42.781	-16.727	1.00	69.27	F
10	ATOM 21519 CG1 VAL F 434	54.792	37.975	-14.743	1.00	43.88	F	ATOM 21604 N TYR F 445	51.523	43.518	-15.556	1.00	76.12	F
	ATOM 21520 CG2 VAL F 434	56.135	39.969	-15.442	1.00	43.88	F	ATOM 21605 CA TYR F 445	50.922	44.809	-15.238	1.00	75.19	F
	ATOM 21521 C VAL F 434	54.175	39.464	-12.187	1.00	64.01	F	ATOM 21606 CB TYR F 445	50.428	44.808	-13.807	1.00	88.60	F
	ATOM 21522 O VAL F 434	55.035	39.180	-11.358	1.00	55.07	F	ATOM 21607 CG TYR F 445	49.414	43.730	-13.552	1.00	61.02	F
	ATOM 21523 N VAL F 435	52.884	39.211	-12.016	1.00	69.76	F	ATOM 21608 CD1 TYR F 445	49.805	42.463	-13.115	1.00	61.02	F
15	ATOM 21524 CA VAL F 435	52.364	38.604	-10.797	1.00	61.50	F	ATOM 21609 CE1 TYR F 445	48.858	41.461	-12.864	1.00	61.02	F
	ATOM 21525 CB VAL F 435	51.106	39.359	-10.319	1.00	81.43	F	ATOM 21610 CD2 TYR F 445	48.056	43.975	-13.741	1.00	61.02	F
	ATOM 21526 CG1 VAL F 435	50.418	38.599	-9.199	1.00	60.76	F	ATOM 21611 CE2 TYR F 445	47.101	42.987	-13.498	1.00	61.02	F
	ATOM 21527 CG2 VAL F 435	51.498	40.748	-9.863	1.00	60.76	F	ATOM 21612 CZ TYR F 445	47.503	41.734	-13.058	1.00	61.02	F
	ATOM 21528 C VAL F 435	52.006	37.138	-10.935	1.00	69.42	F	ATOM 21613 OH TYR F 445	46.547	40.770	-12.799	1.00	61.02	F
20	ATOM 21529 O VAL F 435	51.172	36.785	-11.768	1.00	70.01	F	ATOM 21614 C TYR F 445	51.931	45.931	-15.453	1.00	76.65	F
	ATOM 21530 N PHE F 436	52.624	36.294	-10.106	1.00	47.95	F	ATOM 21615 O TYR F 445	53.099	45.808	-15.074	1.00	79.51	F
	ATOM 21531 CA PHE F 436	52.352	34.861	-10.128	1.00	44.15	F	ATOM 21616 N THR F 446	51.473	47.034	-16.040	1.00	114.99	F
	ATOM 21532 CB PHE F 436	53.652	34.070	-10.087	1.00	87.69	F	ATOM 21617 CA THR F 446	52.358	48.153	-16.361	1.00	121.97	F
	ATOM 21533 CG PHE F 436	54.526	34.289	-11.280	1.00	62.46	F	ATOM 21618 CB THR F 446	52.349	48.402	-17.880	1.00	89.06	F
25	ATOM 21534 CD1 PHE F 436	55.440	35.335	-11.308	1.00	62.46	F	ATOM 21619 OG1 THR F 446	51.005	48.663	-18.302	1.00	77.21	F
	ATOM 21535 CD2 PHE F 436	54.435	33.444	-12.382	1.00	62.46	F	ATOM 21620 CG2 THR F 446	52.863	47.194	-18.631	1.00	77.21	F
	ATOM 21536 CE1 PHE F 436	56.261	35.533	-12.423	1.00	62.46	F	ATOM 21621 C THR F 446	52.114	49.511	-15.692	1.00	131.77	F
	ATOM 21537 CE2 PHE F 436	55.248	33.632	-13.502	1.00	62.46	F	ATOM 21622 O THR F 446	51.519	49.613	-14.617	1.00	135.44	F
	ATOM 21538 CZ PHE F 436	56.164	34.677	-13.524	1.00	62.46	F	ATOM 21623 N CYS F 447	52.624	50.534	-16.384	1.00	138.87	F
30	ATOM 21539 C PHE F 436	51.478	34.472	-8.950	1.00	51.98	F	ATOM 21624 CA CYS F 447	52.564	51.965	-16.060	1.00	139.85	F
	ATOM 21540 O PHE F 436	51.848	34.669	-7.794	1.00	51.36	F	ATOM 21625 C CYS F 447	53.246	52.526	-14.812	1.00	139.88	F
	ATOM 21541 N HIS F 437	50.310	33.924	-9.253	1.00	46.08	F	ATOM 21626 O CYS F 447	53.236	51.929	-13.735	1.00	136.74	F
	ATOM 21542 CA HIS F 437	49.373	33.511	-8.221	1.00	47.15	F	ATOM 21627 CB CYS F 447	51.113	52.475	-16.122	1.00	183.64	F
	ATOM 21543 CB HIS F 437	48.509	34.699	-7.797	1.00	97.62	F	ATOM 21628 SG CYS F 447	49.916	51.707	-14.988	1.00	169.17	F
35	ATOM 21544 CG HIS F 437	47.527	34.372	-6.717	1.00	73.99	F	ATOM 21629 N SER F 448	53.845	53.700	-15.001	1.00	102.00.84	F
	ATOM 21545 CD2 HIS F 437	46.212	34.053	-6.774	1.00	73.99	F	ATOM 21630 CA SER F 448	54.551	54.424	-13.951	1.00	102.00.84	F
	ATOM 21546 ND1 HIS F 437	47.884	34.292	-5.388	1.00	73.99	F	ATOM 21631 CB SER F 448	56.052	54.461	-14.246	1.00	102.00.84	F
	ATOM 21547 CE1 HIS F 437	46.830	33.937	-4.674	1.00	73.99	F	ATOM 21632 OG SER F 448	56.587	53.152	-14.332	1.00	102.00.84	F
	ATOM 21548 NE2 HIS F 437	45.803	33.785	-5.491	1.00	73.99	F	ATOM 21633 C SER F 448	54.000	55.846	-13.871	1.00	102.00.84	F
40	ATOM 21549 C HIS F 437	48.484	32.395	-8.764	1.00	51.46	F	ATOM 21634 O SER F 448	52.855	56.089	-14.260	1.00	102.00.84	F
	ATOM 21550 O HIS F 437	48.359	32.242	-9.976	1.00	53.68	F	ATOM 21635 N GLU F 449	54.817	56.784	-13.392	1.00	101.88.03	F
	ATOM 21551 N ASP F 438	47.868	31.616	-7.876	1.00	55.12	F	ATOM 21636 CA GLU F 449	53.385	58.173	-13.229	1.00	188.03	F
	ATOM 21552 CA ASP F 438	46.997	30.520	-8.294	1.00	57.03	F	ATOM 21637 CB GLU F 449	54.741	58.710	-14.516	1.00	130.46	F
	ATOM 21553 CB ASP F 438	46.395	29.831	-7.069	1.00	107.74	F	ATOM 21638 CG GLU F 449	54.729	59.170	-15.572	1.00	130.46	F
45	ATOM 21554 CG ASP F 438	47.326	28.783	-6.484	1.00	78.70	F	ATOM 21639 CD GLU F 449	55.842	58.173	-15.790	1.00	130.46	F
	ATOM 21555 OD1 ASP F 438	48.554	28.876	-6.728	1.00	78.70	F	ATOM 21640 OE1 GLU F 449	55.535	56.994	-16.065	1.00	130.46	F
	ATOM 21556 OD2 ASP F 438	46.831	27.875	-5.782	1.00	78.70	F	ATOM 21641 OE2 GLU F 449	57.023	58.569	-15.683	1.00	130.46	F
	ATOM 21557 C ASP F 438	45.908	30.985	-9.256	1.00	58.37	F	ATOM 21642 C GLU F 449	53.353	58.167	-12.110	1.00	188.03	F
	ATOM 21558 O ASP F 438	45.665	30.357	-10.284	1.00	61.93	F	ATOM 21643 O GLU F 449	53.357	59.021	-11.227	1.00	188.03	F
50	ATOM 21559 N THR F 439	45.238	32.077	-8.922	1.00	91.75	F	ATOM 21644 N GLY F 450	52.481	57.169	-12.164	1.00	78.05	F
	ATOM 21560 CA THR F 439	44.238	32.628	-9.818	1.00	89.10	F	ATOM 21645 CA GLY F 450	51.427	56.996	-11.187	1.00	78.05	F
	ATOM 21561 CB THR F 439	43.315	33.578	-9.061	1.00	79.77	F	ATOM 21646 C GLY F 450	50.275	56.380	-11.947	1.00	78.05	F
	ATOM 21562 OG1 THR F 439	44.081	34.669	-8.544	1.00	65.58	F	ATOM 21647 O GLY F 450	49.154	56.302	-11.454	1.00	78.05	F
	ATOM 21563 CG2 THR F 439	42.666	32.850	-7.891	1.00	65.58	F	ATOM 21648 N CYS F 451	50.573	55.938	-13.164	1.00	183.90	F
55	ATOM 21564 C THR F 439	45.158	33.389	-10.772	1.00	94.87	F	ATOM 21649 CA CYS F 451	49.577	55.342	-14.039	1.00	183.90	F
	ATOM 21565 O THR F 439	46.194	33.887	-10.346	1.00	95.21	F	ATOM 21650 CB CYS F 451	48.975	54.098	-13.406	1.00	167.07	F
	ATOM 21566 N LEU F 440	44.813	33.477	-12.049	1.00	100.40	F	ATOM 21651 SG CYS F 451	50.165	52.744	-13.266	1.00	167.07	F
	ATOM 21567 CA LEU F 440	45.684	34.143	-13.027	1.00	102.42	F	ATOM 21652 C CYS F 451	48.480	56.348	-14.290	1.00	183.90	F
	ATOM 21568 CB LEU F 440	45.713	35.686	-12.840	1.00	92.16	F	ATOM 21653 O CYS F 451	47.311	56.013	-14.006	1.00	183.90	F
60	ATOM 21569 CG LEU F 440	46.164	36.656	-11.711	1.00	72.16	F	ATOM 21654 OXT CYS F 451	48.813	57.454	-14.763	1.00	139.44	F
	ATOM 21570 CD1 LEU F 440	45.210	36.541	-10.553	1.00	72.16	F	ATOM 21655 OH2 TIP A 452	-25.070	-37.082	29.874	1.00	26.29	A
	ATOM 21571 CD2 LEU F 440	47.603	36.446	-11.265	1.00	72.16	F	ATOM 21656 OH2 TIP A 453	-12.398	-7.529	28.666	1.00	50.13	A
	ATOM 21572 C LEU F 440	47.115	33.589	-13.002	1.00	112.37	F	ATOM 21657 OH2 TIP A 454	-9.057	-11.779	29.287	1.00	43.25	A
	ATOM 21573 O LEU F 440	48.021	34.229	-12.480	1.00	110.59	F	ATOM 21658 OH2 TIP A 455	-5.254	-11.199	15.730	1.00	51.68	A
65	ATOM 21574 N GLU F 441	47.313	32.403	-13.580	1.00	76.86	F	ATOM 21659 OH2 TIP A 456	-32.698	-22.663	13.953	1.00	66.28	A
	ATOM 21575 CA GLU F 441	48.629	31.748	-13.620	1.00	76.86	F	ATOM 21660 OH2 TIP A 457	-18.641	-27.224	16.840	1.00	56.61	A
	ATOM 21576 CB GLU F 441	48.716	30.805	-14.821	1.00	197.59	F	ATOM 21661 OH2 TIP A 458	-25.885	-27.088	20.474	1.00	51.71	A
	ATOM 21577 CG GLU F 441	47.760	29.627	-14.745	1.00	120.95	F	ATOM 21662 OH2 TIP A 459	-3.550	-9.452	11.111	1.00	37.25	A
	ATOM 21578 CD GLU F 441	47.985	28.623	-15.861	1.00	120.95	F	ATOM 21663 OH2 TIP A 460	0.719	-11.029	13.512	1.00	48.51	A
70	ATOM 21579 OE1 GLU F 441	47.914	29.020	-17.046	1.00	120.95	F	ATOM 21664 OH2 TIP A 461	-19.884	-5.459	18.116	1.00	52.88	A
	ATOM 21580 OE2 GLU F 441	48.236	27.437	-15.552	1.00	120.95	F	ATOM 21665 OH2 TIP A 462	-20.875	-28.974	41.287	1.00	44.76	A

65251/C766

1	ATOM 21678 OH2 TIP B 459	-2.589	-8.867	47.353	1.00	37.25	B	ATOM 21763 C6 NAG A 468	-29.113	-40.845	33.163	1.00	57.51	A
	ATOM 21679 OH2 TIP B 460	2.297	-9.443	45.553	1.00	48.51	B	ATOM 21764 C6 NAG A 468	-27.873	-41.278	32.618	1.00	57.51	A
	ATOM 21680 OH2 TIP B 461	-14.112	5.654	47.666	1.00	52.88	B	ATOM 21765 C1 NAG A 469	-1.059	-35.497	35.906	1.00	112.81	A
	ATOM 21681 OH2 TIP B 462	7.527	29.221	53.940	1.00	44.76	B	ATOM 21766 C2 NAG A 469	-0.515	-34.629	37.094	1.00	112.81	A
	ATOM 21682 OH2 TIP B 463	2.171	7.038	40.480	1.00	49.54	B	ATOM 21767 N2 NAG A 469	-0.787	-33.224	36.829	1.00	112.81	A
5	ATOM 21683 OH2 TIP B 464	-4.585	5.110	53.365	1.00	52.38	B	ATOM 21768 C7 NAG A 469	0.219	-32.360	36.668	1.00	112.81	A
	ATOM 21684 OH2 TIP B 465	8.911	6.284	64.949	1.00	55.15	B	ATOM 21769 O7 NAG A 469	0.668	-31.669	37.588	1.00	112.81	A
	ATOM 21685 OH2 TIP B 466	-3.027	-6.304	44.890	1.00	52.37	B	ATOM 21770 C8 NAG A 469	0.830	-32.253	35.275	1.00	112.81	A
	ATOM 21686 OH2 TIP B 467	-24.001	-1.506	39.948	1.00	35.74	B	ATOM 21771 C3 NAG A 469	1.010	-34.773	37.356	1.00	112.81	A
	ATOM 21687 OH2 TIP C 452	4.024	24.034	-10.748	1.00	26.29	C	ATOM 21772 O3 NAG A 469	1.328	-34.309	38.663	1.00	112.81	A
10	ATOM 21688 OH2 TIP C 453	-3.754	10.576	18.128	1.00	50.13	C	ATOM 21773 C4 NAG A 469	1.493	-36.204	37.197	1.00	112.81	A
	ATOM 21689 OH2 TIP C 454	1.043	9.077	15.439	1.00	43.25	C	ATOM 21774 O4 NAG A 469	2.910	-36.252	37.294	1.00	112.81	A
	ATOM 21690 OH2 TIP C 455	-3.568	13.031	40.887	1.00	51.68	C	ATOM 21775 C5 NAG A 469	1.039	-36.663	35.828	1.00	112.81	A
	ATOM 21691 OH2 TIP C 456	-2.771	37.525	7.450	1.00	66.28	C	ATOM 21776 O5 NAG A 469	-0.391	-36.769	35.826	1.00	112.81	A
	ATOM 21692 OH2 TIP C 457	9.221	27.781	6.164	1.00	56.61	C	ATOM 21777 C6 NAG A 469	1.593	-38.002	35.402	1.00	112.81	A
15	ATOM 21693 OH2 TIP C 458	0.751	29.872	1.818	1.00	51.71	C	ATOM 21778 O6 NAG A 469	1.174	-38.312	34.081	1.00	112.81	A
	ATOM 21694 OH2 TIP C 459	10.622	18.769	28.680	1.00	37.25	C	ATOM 21779 C1 NAG A 470	-50.698	-29.175	43.848	1.00	153.57	A
	ATOM 21695 OH2 TIP C 460	14.203	14.549	28.076	1.00	48.51	C	ATOM 21780 C2 NAG A 470	-50.893	-27.722	43.400	1.00	153.57	A
	ATOM 21696 OH2 TIP C 461	-5.772	22.658	22.124	1.00	52.88	C	ATOM 21781 N2 NAG A 470	-50.373	-27.475	42.069	1.00	153.57	A
	ATOM 21697 OH2 TIP C 462	-2.831	10.753	-7.603	1.00	44.76	C	ATOM 21782 C7 NAG A 470	-50.653	-26.323	41.462	1.00	153.57	A
20	ATOM 21698 OH2 TIP C 463	2.860	7.524	17.778	1.00	49.54	C	ATOM 21783 O7 NAG A 470	-51.796	-25.996	41.147	1.00	153.57	A
	ATOM 21699 OH2 TIP C 464	4.007	21.061	16.717	1.00	52.38	C	ATOM 21784 C8 NAG A 470	-49.495	-25.380	41.181	1.00	153.57	A
	ATOM 21700 OH2 TIP C 465	15.934	23.391	3.911	1.00	55.15	C	ATOM 21785 C3 NAG A 470	-50.235	-26.804	44.418	1.00	153.57	A
	ATOM 21701 OH2 TIP C 466	8.071	17.151	28.026	1.00	52.37	C	ATOM 21786 O3 NAG A 470	-50.446	-25.450	44.040	1.00	153.57	A
	ATOM 21702 OH2 TIP C 467	-11.439	24.219	35.327	1.00	35.74	C	ATOM 21787 C4 NAG A 470	-50.838	-27.066	45.809	1.00	153.57	A
25	ATOM 21703 OH2 TIP D 452	45.268	29.003	-67.249	1.00	26.29	D	ATOM 21788 O4 NAG A 470	-50.102	-26.345	46.788	1.00	153.57	A
	ATOM 21704 OH2 TIP D 453	56.797	13.362	-40.946	1.00	50.13	D	ATOM 21789 C5 NAG A 470	-50.825	-28.568	46.167	1.00	153.57	A
	ATOM 21705 OH2 TIP D 454	50.903	13.373	-42.094	1.00	43.25	D	ATOM 21790 O5 NAG A 470	-51.386	-29.364	45.092	1.00	153.57	A
	ATOM 21706 OH2 TIP D 455	67.726	-5.016	-32.013	1.00	51.68	D	ATOM 21791 C6 NAG A 470	-51.652	-28.856	47.410	1.00	153.57	A
	ATOM 21707 OH2 TIP D 456	63.736	15.430	-69.676	1.00	66.28	D	ATOM 21792 O6 NAG A 470	-51.272	-30.083	48.015	1.00	153.57	A
30	ATOM 21708 OH2 TIP D 457	50.223	11.768	-64.145	1.00	56.61	D	ATOM 21793 C1 NAG B 468	3.753	28.506	68.128	1.00	56.79	B
	ATOM 21709 OH2 TIP D 458	56.193	20.359	-66.232	1.00	51.71	D	ATOM 21794 C2 NAG B 468	2.852	27.733	69.103	1.00	56.79	B
	ATOM 21710 OH2 TIP D 459	54.232	-5.287	-47.334	1.00	37.25	D	ATOM 21795 N2 NAG B 468	1.596	27.424	68.443	1.00	56.79	B
	ATOM 21711 OH2 TIP D 460	49.094	-5.727	-45.008	1.00	48.51	D	ATOM 21796 C7 NAG B 468	1.336	26.188	68.022	1.00	56.79	B
	ATOM 21712 OH2 TIP D 461	66.287	8.885	-49.223	1.00	52.88	D	ATOM 21797 O7 NAG B 468	2.107	25.239	68.181	1.00	56.79	B
35	ATOM 21713 OH2 TIP D 462	45.723	33.240	-52.765	1.00	44.76	D	ATOM 21798 C8 NAG B 468	0.012	25.967	67.312	1.00	56.79	B
	ATOM 21714 OH2 TIP D 463	50.808	10.801	-40.404	1.00	49.54	D	ATOM 21799 C3 NAG B 468	2.566	28.533	70.387	1.00	56.79	B
	ATOM 21715 OH2 TIP D 464	55.928	8.879	-53.601	1.00	52.38	D	ATOM 21800 O3 NAG B 468	1.947	27.688	71.338	1.00	56.79	B
	ATOM 21716 OH2 TIP D 465	41.439	10.938	-63.575	1.00	55.15	D	ATOM 21801 C4 NAG B 468	3.849	29.108	70.983	1.00	56.79	B
	ATOM 21717 OH2 TIP D 466	54.885	-2.614	-45.203	1.00	52.37	D	ATOM 21802 O4 NAG B 468	3.554	29.893	72.142	1.00	56.79	B

65251/C766

1	ATOM 21834 O6 NAG B 470	-11.772 51.413 62.386 1.00124.67	B	ATOM 21919 C1 NAG E 468	82.012 -33.741 -35.940 1.00 54.79	E
	ATOM 21835 C1 NAG C 468	0.704 24.698 -12.830 1.00 79.12	C	ATOM 21920 C2 NAG E 468	82.857 -33.812 -34.660 1.00 54.79	E
	ATOM 21836 C2 NAG C 468	0.684 26.115 -12.213 1.00 79.12	C	ATOM 21921 N2 NAG E 468	83.299 -32.477 -34.289 1.00 54.79	E
	ATOM 21837 N2 NAG C 468	-0.292 26.174 -11.148 1.00 79.12	C	ATOM 21922 C7 NAG E 468	82.646 -31.766 -33.360 1.00 54.79	E
	ATOM 21838 C7 NAG C 468	0.114 26.341 -9.897 1.00 79.12	C	ATOM 21923 O7 NAG E 468	81.591 -32.129 -32.818 1.00 54.79	E
5	ATOM 21839 O7 NAG C 468	1.225 25.977 -9.499 1.00 79.12	C	ATOM 21924 C8 NAG E 468	83.266 -30.433 -32.978 1.00 54.79	E
	ATOM 21840 C8 NAG C 468	-0.862 27.016 -8.947 1.00 79.12	C	ATOM 21925 C3 NAG E 468	84.065 -34.751 -34.839 1.00 54.79	E
	ATOM 21841 C3 NAG C 468	0.355 27.206 -13.243 1.00 79.12	C	ATOM 21926 O3 NAG E 468	84.721 -34.920 -33.595 1.00 54.79	E
	ATOM 21842 O3 NAG C 468	0.561 28.485 -12.650 1.00 79.12	C	ATOM 21927 C4 NAG E 468	83.593 -36.115 -35.332 1.00 54.79	E
	ATOM 21843 C4 NAG C 468	1.240 27.054 -14.490 1.00 79.12	C	ATOM 21928 O4 NAG E 468	84.702 -37.005 -35.524 1.00 54.79	E
10	ATOM 21844 O4 NAG C 468	0.872 28.001 -15.493 1.00 79.12	C	ATOM 21929 C5 NAG E 468	82.812 -35.910 -36.632 1.00 54.79	E
	ATOM 21845 C5 NAG C 468	1.088 25.631 -15.022 1.00 79.12	C	ATOM 21930 O5 NAG E 468	81.662 -35.063 -36.387 1.00 54.79	E
	ATOM 21846 O5 NAG C 468	1.523 24.687 -14.017 1.00 79.12	C	ATOM 21931 C6 NAG E 468	82.295 -37.212 -37.223 1.00 54.79	E
	ATOM 21847 C6 NAG C 468	1.926 25.388 -16.256 1.00 79.12	C	ATOM 21932 O6 NAG E 468	81.254 -37.772 -36.431 1.00 54.79	E
	ATOM 21848 O6 NAG C 468	3.113 24.677 -15.937 1.00 79.12	C	ATOM 21933 C1 NAG E 469	54.129 -32.392 -35.969 1.00122.52	E
15	ATOM 21849 C1 NAG C 469	17.518 4.112 -4.003 1.00140.88	C	ATOM 21934 C2 NAG E 469	53.443 -31.462 -37.018 1.00122.52	E
	ATOM 21850 C2 NAG C 469	17.062 2.638 -3.820 1.00140.88	C	ATOM 21935 N2 NAG E 469	53.780 -30.075 -36.737 1.00122.52	E
	ATOM 21851 N2 NAG C 469	15.977 2.595 -2.851 1.00140.88	C	ATOM 21936 C7 NAG E 469	52.843 -29.208 -36.344 1.00122.52	E
	ATOM 21852 C7 NAG C 469	16.162 2.078 -1.635 1.00140.88	C	ATOM 21937 O7 NAG E 469	52.274 -28.434 -37.121 1.00122.52	E
	ATOM 21853 O7 NAG C 469	15.642 1.019 -1.273 1.00140.88	C	ATOM 21938 C8 NAG E 469	52.483 -29.189 -34.862 1.00122.52	E
20	ATOM 21854 C8 NAG C 469	17.048 2.854 -0.666 1.00140.88	C	ATOM 21939 C3 NAG E 469	51.904 -31.615 -37.041 1.00122.52	E
	ATOM 21855 C3 NAG C 469	18.203 1.702 -3.349 1.00140.88	C	ATOM 21940 O3 NAG E 469	51.354 -30.948 -38.169 1.00122.52	E
	ATOM 21856 O3 NAG C 469	17.810 0.342 -3.488 1.00140.88	C	ATOM 21941 C4 NAG E 469	51.506 -33.076 -37.077 1.00122.52	E
	ATOM 21857 C4 NAG C 469	19.487 1.941 -4.137 1.00140.88	C	ATOM 21942 O4 NAG E 469	50.091 -33.194 -37.048 1.00122.52	E
	ATOM 21858 O4 NAG C 469	20.544 1.166 -3.583 1.00140.88	C	ATOM 21943 C5 NAG E 469	52.122 -33.727 -35.857 1.00122.52	E
25	ATOM 21859 C5 NAG C 469	19.818 3.427 -4.055 1.00140.88	C	ATOM 21944 O5 NAG E 469	53.550 -33.708 -35.985 1.00122.52	E
	ATOM 21860 O5 NAG C 469	18.774 4.180 -4.697 1.00140.88	C	ATOM 21945 C6 NAG E 469	51.731 -35.169 -35.685 1.00122.52	E
	ATOM 21861 C6 NAG C 469	21.125 3.808 -4.720 1.00140.88	C	ATOM 21946 O6 NAG E 469	52.835 -35.918 -35.201 1.00122.52	E
	ATOM 21862 O6 NAG C 469	21.569 5.084 -4.278 1.00140.88	C	ATOM 21947 C1 NAG E 470	102.230 -25.224 -50.276 1.00158.03	E
	ATOM 21863 C1 NAG C 470	-24.264 27.981 -20.130 1.00147.99	C	ATOM 21948 C2 NAG E 470	102.652 -23.930 -49.540 1.00158.03	E
30	ATOM 21864 C2 NAG C 470	-25.086 28.340 -18.862 1.00147.99	C	ATOM 21949 N2 NAG E 470	102.132 -23.908 -48.183 1.00158.03	E
	ATOM 21865 N2 NAG C 470	-24.216 28.803 -17.793 1.00147.99	C	ATOM 21950 C7 NAG E 470	102.473 -22.929 -47.345 1.00158.03	E
	ATOM 21866 C7 NAG C 470	-24.695 28.982 -16.561 1.00147.99	C	ATOM 21951 O7 NAG E 470	103.612 -22.800 -46.899 1.00158.03	E
	ATOM 21867 O7 NAG C 470	-25.498 29.873 -16.277 1.00147.99	C	ATOM 21952 C8 NAG E 470	101.390 -21.938 -46.943 1.00158.03	E
	ATOM 21868 C8 NAG C 470	-24.221 28.022 -15.479 1.00147.99	C	ATOM 21953 C3 NAG E 470	102.192 -22.680 -50.305 1.00158.03	E
35	ATOM 21869 C3 NAG C 470	-25.945 27.163 -18.365 1.00147.99	C	ATOM 21954 O3 NAG E 470	102.787 -21.525 -49.724 1.00158.03	E
	ATOM 21870 O3 NAG C 470	-26.886 27.639 -17.409 1.00147.99	C	ATOM 21955 C4 NAG E 470	102.593 -22.771 -51.783 1.00158.03	E
	ATOM 21871 C4 NAG C 470	-26.698 26.496 -19.521 1.00147.99	C	ATOM 21956 O4 NAG E 470	102.025 -21.687 -52.505 1.00158.03	E
	ATOM 21872 O4 NAG C 470	-27.326 25.307 -19.064 1.00147.99	C	ATOM 21957 C5 NAG E 470	102.106 -24.093 -52.378 1.00158.03	E
	ATOM 21873 C5 NAG C 470	-25.728 26.159 -20.652 1.00147.99	C	ATOM 21958 O5 NAG E 470	102.666 -25.199 -51.642 1.00158.03	E
40	ATOM 21874 O5 NAG C 470	-25.097 27.367 -21.127 1.00147.99	C	ATOM 21959 C6 NAG E 470	102.516 -24.265 -53.823 1.00158.03	E
	ATOM 21875 C6 NAG C 470	-26.412 25.504 -21.836 1.00147.99	C	ATOM 21960 O6 NAG E 470	102.339 -25.608 -54.242 1.00158.03	E
	ATOM 21876 O6 NAG C 470	-26.152 24.109 -21.870 1.00147.99	C	ATOM 21961 C1 NAG F 468	59.178 27.704 12.879 1.00 90.14	F
	ATOM 21877 C1 NAG D 468	47.479 32.389 -67.588 1.00 49.52	D	ATOM 21962 C2 NAG F 468	59.308 29.123 12.317 1.00 90.14	F
	ATOM 21878 C2 NAG D 468	48.138 31.547 -68.690 1.00 49.52	D	ATOM 21963 N2 NAG F 468	60.050 29.106 11.073 1.00 90.14	F
45	ATOM 21879 N2 NAG D 468	49.424 31.075 -68.205 1.00 49.52	D	ATOM 21964 C7 NAG F 468	59.414 29.309 9.927 1.00 90.14	F
	ATOM 21880 C7 NAG D 468	49.547 29.878 -67.633 1.00 49.52	D	ATOM 21965 O7 NAG F 468	58.190 29.211 9.815 1.00 90.14	F
	ATOM 21881 O7 NAG D 468	48.652 29.036 -67.630 1.00 49.52	D	ATOM 21966 C8 NAG F 468	60.265 29.678 8.725 1.00 90.14	F
	ATOM 21882 C8 NAG D 468	50.877 29.567 -66.964 1.00 49.52	D	ATOM 21967 C3 NAG F 468	60.006 30.022 13.346 1.00 90.14	F
	ATOM 21883 C3 NAG D 468	48.352 32.356 -69.989 1.00 49.52	D	ATOM 21968 O3 NAG F 468	60.083 31.353 12.849 1.00 90.14	F
50	ATOM 21884 O3 NAG D 468	48.780 31.508 -71.039 1.00 49.52	D	ATOM 21969 C4 NAG F 468	59.219 29.987 14.668 1.00 90.14	F
	ATOM 21885 C4 NAG D 468	47.074 33.070 -70.407 1.00 49.52	D	ATOM 21970 O4 NAG F 468	59.876 30.764 15.668 1.00 90.14	F
	ATOM 21886 O4 NAG D 468	47.299 33.841 -71.596 1.00 49.52	D	ATOM 21971 C5 NAG F 468	59.068 28.529 15.137 1.00 90.14	F
	ATOM 21887 C5 NAG D 468	46.694 33.956 -69.231 1.00 49.52	D	ATOM 21972 O5 NAG F 468	58.433 27.733 14.106 1.00 90.14	F
	ATOM 21888 O5 NAG D 468	46.358 33.119 -68.101 1.00 49.52	D	ATOM 21973 C6 NAG F 468	58.201 28.407 16.374 1.00 90.14	F
55	ATOM 21889 C6 NAG D 468	45.525 34.889 -69.499 1.00 49.52	D	ATOM 21974 O6 NAG F 468	57.181 27.432 16.189 1.00 90.14	F
	ATOM 21890 O6 NAG D 468	44.276 34.223 -69.383 1.00 49.52	D	ATOM 21975 C1 NAG F 469	40.547 8.020 5.881 1.00128.78	F
	ATOM 21891 C1 NAG D 469	28.308 20.674 -50.916 1.00 96.43	D	ATOM 21976 C2 NAG F 469	40.967 6.526 5.740 1.00128.78	F
	ATOM 21892 C2 NAG D 469	27.862 21.124 -49.490 1.00 96.43	D	ATOM 21977 N2 NAG F 469	41.939 6.409 4.660 1.00128.78	F
	ATOM 21893 N2 NAG D 469	28.925 20.827 -48.547 1.00 96.43	D	ATOM 21978 C7 NAG F 469	41.607 5.882 3.479 1.00128.78	F
60	ATOM 21894 C7 NAG D 469	28.802 19.791 -47.714 1.00 96.43	D	ATOM 21979 O7 NAG F 469	42.038 4.795 3.095 1.00128.78	F
	ATOM 21895 O7 NAG D 469	28.198 19.860 -46.639 1.00 96.43	D	ATOM 21980 C8 NAG F 469	40.675 6.679 2.574 1.00128.78	F
	ATOM 21896 C8 NAG D 469	29.419 18.470 -48.142 1.00 96.43	D	ATOM 21981 C3 NAG F 469	39.785 5.557 5.475 1.00128.78	F
	ATOM 21897 C3 NAG D 469	26.588 20.432 -48.951 1.00 96.43	D	ATOM 21982 O3 NAG F 469	40.185 4.220 5.744 1.00128.78	F
	ATOM 21898 O3 NAG D 469	26.006 21.222 -47.920 1.00 96.43	D	ATOM 21983 C4 NAG F 469	38.575 5.893 6.333 1.00128.78	F
65	ATOM 21899 C4 NAG D 469	25.543 20.143 -50.023 1.00 96.43	D	ATOM 21984 O4 NAG F 469	37.475 5.068 5.974 1.00128.78	F
	ATOM 21900 O4 NAG D 469	24.564 19.254 -49.495 1.00 96.43	D	ATOM 21985 C5 NAG F 469	38.243 7.351 6.094 1.00128.78	F
	ATOM 21901 C5 NAG D 469	26.242 19.508 -51.227 1.00 96.43	D	ATOM 21986 O5 NAG F 469	39.313 8.160 6.614 1.00128.78	F
	ATOM 21902 O5 NAG D 469	27.179 20.449 -51.771 1.00 96.43	D	ATOM 21987 C6 NAG F 469	36.958 7.795 6.763 1.00128.78	F
	ATOM 21903 C6 NAG D 469	25.310 19.090 -52.357 1.00 96.43	D	ATOM 21988 O6 NAG F 469	36.152 8.549 5.869 1.00128.78	F
70	ATOM 21904 O6 NAG D 469	25.786 19.540 -53.618 1.00 96.43	D	ATOM 21989 C1 NAG F 470	84.705 30.138 16.795 1.00150.52	F
	ATOM 21905 C1 NAG D 470	65.895 50.746 -66.573 1.00151.66	D			
	ATOM 21906 C2 NAG D 470	67.062 49.973 -65.912 1.00151.66	D			
	ATOM 21907 N2 NAG D 470	66.880 48.539 -66.090 1.00151.66	D			
	ATOM 21908 C7 NAG D 470	67.821 47.676 -65.706 1.00151.66	D			
75	ATOM 21909 O7 NAG D 470	68.948 47.650 -66.202 1.00151.66	D			
	ATOM 21910 C8 NAG D 470	67.459 46.688 -64.607 1.00151.66	D			
	ATOM 21911 C3 NAG D 470	67.170 50.311 -64.411 1.00151.66	D			
	ATOM 21912 O3 NAG D 470	68.399 49.806 -63.901 1.00151.66	D			
	ATOM 21913 C4 NAG D 470	67.100 51.834 -64.164 1.00151.66	D			
80	ATOM 21914 O4 NAG D 470	66.968 52.092 -62.773 1.00151.66	D			
	ATOM 21915 C5 NAG D 470	65.903 52.430 -64.908 1.00151.66	D			
	ATOM 21916 O5 NAG D 470	66.023 52.147 -66.314 1.00151.66	D			
	ATOM 21917 C6 NAG D 470	65.748 53.927 -64.754 1.00151.66	D			
	ATOM 21918 O6 NAG D 470	64.432 54.335 -65.100 1.00151.66	D			

65251/C766

1	ATOM 21990 C2 NAG F 470	85.213	30.232	15.342	1.00150.52	F	ATOM 21997 C4 NAG F 470	87.094	28.703	16.010	1.00150.52	F
	ATOM 21991 N2 NAG F 470	84.113	30.447	14.415	1.00150.52	F	ATOM 21998 O4 NAG F 470	87.716	27.456	15.741	1.00150.52	F
	ATOM 21992 C7 NAG F 470	84.352	30.588	13.113	1.00150.52	F	ATOM 21999 C5 NAG F 470	86.497	28.689	17.426	1.00150.52	F
	ATOM 21993 O7 NAG F 470	85.127	31.432	12.660	1.00150.52	F	ATOM 22000 O5 NAG F 470	85.813	29.934	17.686	1.00150.52	F
	ATOM 21994 C8 NAG F 470	83.630	29.641	12.170	1.00150.52	F	ATOM 22001 C6 NAG F 470	87.532	28.498	18.520	1.00150.52	F
	ATOM 21995 C3 NAG F 470	85.990	28.963	14.974	1.00150.52	F	ATOM 22002 O6 NAG F 470	87.240	27.350	19.308	1.00150.52	F
	ATOM 21996 O3 NAG F 470	86.567	29.111	13.684	1.00150.52	F	END					

5

10

15

20

25

30

35

1 WHAT IS CLAIMED IS:

1) A method of creating a therapeutic candidate compound comprising:

- 5 a) providing a 2L polypeptide of SEQ ID No. 1, SEQ ID No. 2, or SEQ ID No. 3;
- b) modifying at least one amino acid of the 2L polypeptide at a position other than the 2L interface amino acids HIS58, GLU99, GLY101, PHE104, LYS125, GLY157, TYR160, MET161, GLY162, LEU165, LEU168, GLN171, LYS175, GLU225, VAL229, ASN230, GLY231, ARG232, or GLU289 for SEQ ID No.'s 1-2 or HIS57, GLU100, GLY102, PHE105, LYS126, GLY157, TYR161, ALA162, GLY163, LEU166, PHE169, GLN172, LYS176, GLU226, VAL230, ASN231, GLY232, ARG233, or GLU290 for SEQ ID No. 3, to form a candidate compound; and,
- 10 c) purifying the candidate compound.

2) A method of creating a therapeutic candidate compound comprising:

- 15 a) providing an immature sequence comprising a 2L polypeptide of SEQ ID No. 1, SEQ ID No. 2, or SEQ ID No. 3 and an identifiable signal sequence;
- b) modifying at least one amino acid of the 2L polypeptide at a position other than HIS58, GLU99, GLY101, PHE104, LYS125, GLY157, TYR160, MET161, GLY162, LEU165, LEU168, GLN171, LYS175, GLU225, VAL229, ASN230, GLY231, ARG232, or GLU289 for SEQ ID No.'s 1-2 or at a position other than HIS57, GLU100, GLY102, PHE105, LYS126, GLY157, TYR161, ALA162, GLY163, LEU166, PHE169, GLN172, LYS176, GLU226, VAL230, ASN231, GLY232, ARG233, or GLU290 for SEQ ID No. 3, to form a sequence of a candidate compound;
- 20 c) expressing the sequence of the candidate compound from a host cell to create a secreted form of the candidate compound; and,
- d) purifying the candidate compound.

3) The method according to claims 1 or 2, wherein the method further comprises verifying that the candidate compound binds to human TNF α with a binding affinity K_d of from about 40 picomoles to about 440 picomoles.

4) A method of creating a therapeutic candidate compound comprising:

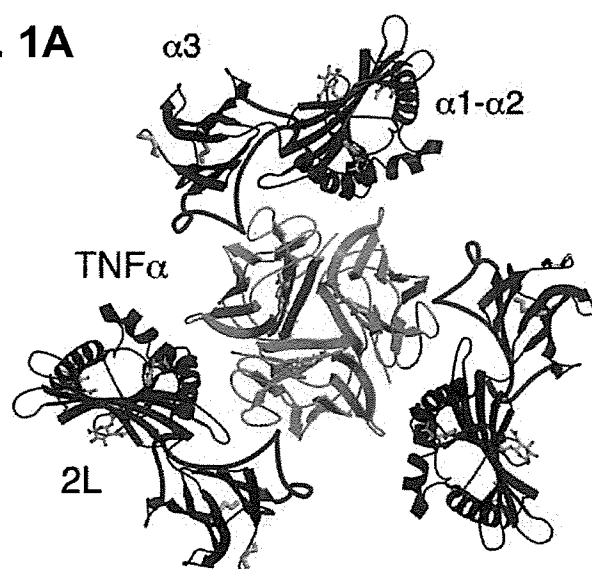
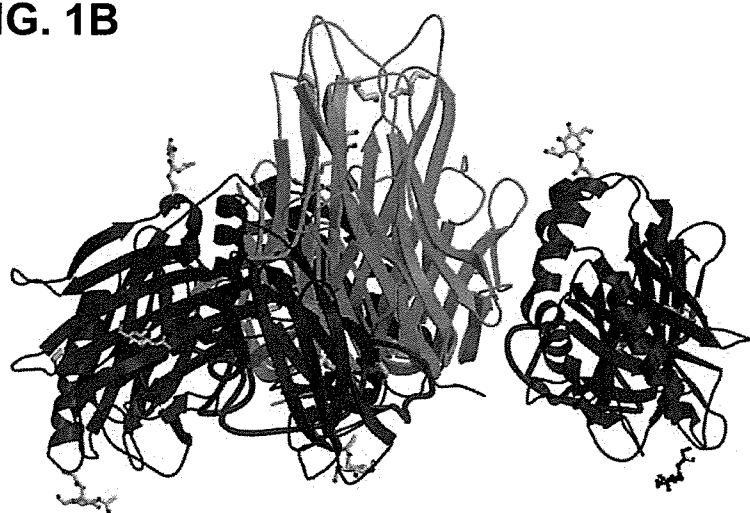
- 35 a) providing a 2L polypeptide of SEQ ID No. 1, SEQ ID No. 2, or SEQ ID No. 3;
- b) modifying at least one amino acid of the 2L polypeptide at a position selected from the group consisting of HIS58, GLU99, GLY101, PHE104, LYS125, GLY157, TYR160, MET161, GLY162, LEU165, LEU168, GLN171, LYS175, GLU225,

- 1 VAL229, ASN230, GLY231, ARG232, and GLU289 for SEQ ID No.'s 1-2 or at a
position selected from the group consisting of HIS57, GLU100, GLY102, PHE105,
LYS126, GLY157, TYR161, ALA162, GLY163, LEU166, PHE169, GLN172,
LYS176, GLU226, VAL230, ASN231, GLY232, ARG233, and GLU290 for SEQ ID
5 No. 3, to form a candidate compound; and,
c) purifying the candidate compound.
- 5) A method of creating a therapeutic candidate compound comprising:
- a) providing an immature sequence comprising a 2L polypeptide of SEQ ID No. 1, SEQ
10 ID No. 2, or SEQ ID No. 3 and an identifiable signal sequence;
- b) modifying at least one amino acid of the 2L polypeptide at a position selected from
the group consisting of HIS58, GLU99, GLY101, PHE104, LYS125, GLY157,
TYR160, MET161, GLY162, LEU165, LEU168, GLN171, LYS175, GLU225,
15 VAL229, ASN230, GLY231, ARG232, and GLU289 for SEQ ID No.'s 1-2 or at a
position selected from the group consisting of HIS57, GLU100, GLY102, PHE105,
LYS126, GLY157, TYR161, ALA162, GLY163, LEU166, PHE169, GLN172,
LYS176, GLU226, VAL230, ASN231, GLY232, ARG233, and GLU290 for SEQ ID
No. 3, to form a sequence of a candidate compound;
- 20 c) expressing the sequence of the candidate compound from a host cell to create a
secreted form of the candidate compound; and,
d) purifying the candidate compound.
- 6) The method according to claims 4 or 5, wherein the method further comprises verifying
25 that the candidate compound binds to human TNF α with a binding affinity K_d less than
that of the 2L polypeptide.
- 7) The method according to any one of claims 2, 3, 5 or 6, wherein the identifiable signal
sequence is an N-terminal signal sequence.
- 30 8) The method according to any one of claims 2, 3, 5, 6 or 7, wherein the immature
sequence is according to SEQ ID No. 15, SEQ ID No. 16, or SEQ ID No. 17.
- 9) The method according to any one of claims 1 to 8, wherein the method further comprises
35 confirming *in vitro* that the candidate compound suppresses signaling via the TNF α
cascade.
- 10) The method according to any one of claims 1 to 9, wherein the modification of the at least
one amino acid is selected from substitution, addition and deletion.

- 1 11) The method according to any one of claims 1 to 10, wherein the method further comprises confirming *in vitro* that the candidate compound competitively inhibits human TNFR1 or human TNFR2 from binding to human TNF α .
- 5 12) A method for determining whether or not a test compound is a therapeutic candidate compound for use in treating a TNF α mediated disease or condition in humans, the method comprising:
- 10 a) providing the test compound or an electronic representation of the test compound;
- b) determining whether the test compound or electronic representation of the test compound binds to at least TNF α interface amino acids TYR87, ARG31, ARG32, ASN30, SER86, ARG82, GLU127, ASN34, VAL91, ALA33, VAL91, GLN21, ARG44, GLU42, LEU37, LEU43, VAL41 and GLN27 of hTNF α , or competitively inhibits binding of hTNFR1 or hTNFR2 to the TNF α interface amino acids, to within a specified confidence interval;
- 15 c) for test compounds that bind to the TNF α interface amino acids or competitively inhibit binding of human TNFR1 or human TNFR2 to the TNF α interface amino acids, confirming *in vitro* that the test compound suppresses signaling via the TNF α cascade, thereby rendering it a therapeutic candidate compound.
- 20 13) The method according to any one of claims 1 to 12, wherein the method further comprises verifying that the candidate compound binds to human TNF α with a shape complementarity index of from 0.64 to 0.78.
- 25 14) The method according to any one of claims 1 to 13, wherein the method further comprises verifying that the candidate compound, upon binding to human TNF α , imparts a change in conformation of human TNF α at GLN21, ALA22, GLU23, GLY24, GLN25, ARG31, ARG32, ALA33, ASN34, ALA35, PHE144, ALA145, GLU146, SER147, and GLY148.
- 30 15) The method according to any one of claims 1 to 14, wherein the method further comprises verifying that the modification reduces immunogenicity of the candidate compound as compared with the 2L polypeptide of SEQ ID Nos. 1, 2 or 3.
- 16) The method according to any one of claims 1 to 15, wherein the method further comprises verifying that the modification alters the circulating half life of the candidate compound as compared with the 2L polypeptide of SEQ ID Nos. 1, 2 or 3.
- 35 17) The method according to any one of claims 1 to 16, wherein the method further comprises verifying that the candidate compound binds to human TNF α over a surface area of at least 2000 Å².

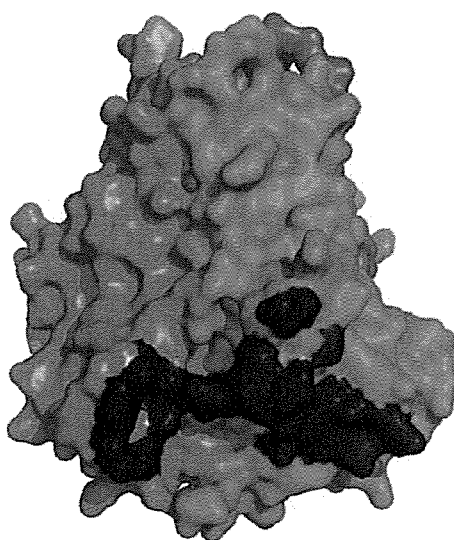
- 1 18) A therapeutic candidate compound obtained according to the method of any one of claims
1 to 17.
- 5 19) A method of treating a TNF α mediated disease or condition in humans comprising
administering a therapeutic candidate compound according to claim 18 in an amount and
for a time sufficient to achieve a therapeutic effect.
- 10 20) Use of a therapeutic candidate compound according to claim 19 in an amount and for a
time sufficient to achieve a therapeutic effect in treating a TNF α mediated disease or
condition in humans.
- 15 21) Use of a therapeutic candidate compound according to claim 19 in the manufacture of a
medicament for treating a TNF α mediated disease or condition.
- 20 22) A pharmaceutical composition comprising a purified therapeutic candidate compound
according to claim 19 and a pharmaceutically acceptable diluent formulated for
administration to a patient suffering from or at risk of developing a TNF α mediated
disease or condition.
- 25 23) A purified nucleic acid molecule that encodes a polypeptide comprising the sequence of
the candidate compound of claims 2 or 5.
- 24) A purified nucleic acid molecule that hybridizes under high stringency conditions to the
nucleic acid molecule of claim 21.
- 25 25) A vector comprising the nucleic acid molecule of claims 23 or 24.
- 26) A host cell comprising the vector of claim 25.
- 30 27) A crystal of the secreted form of Yaba-like disease virus 2L protein bound to human
TNF α .
- 28) The crystal of claim 27, wherein the Yaba-like disease virus 2L protein comprises an
amino acid sequence according to SEQ ID No. 1.
- 35 29) The crystal of claims 27 or 28, wherein the crystal has a three-dimensional structure as
defined by the atomic coordinates of Table 4 with a root mean square deviation of 1.0 Å
for each atomic coordinate.

1/10

FIG. 1A**FIG. 1B**

2/10

FIG. 1C



3/10

FIG. 2A

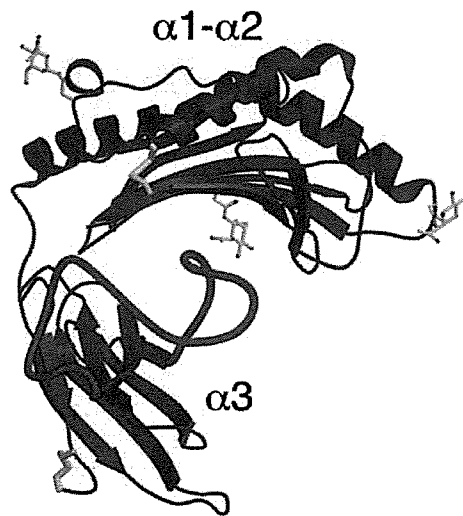
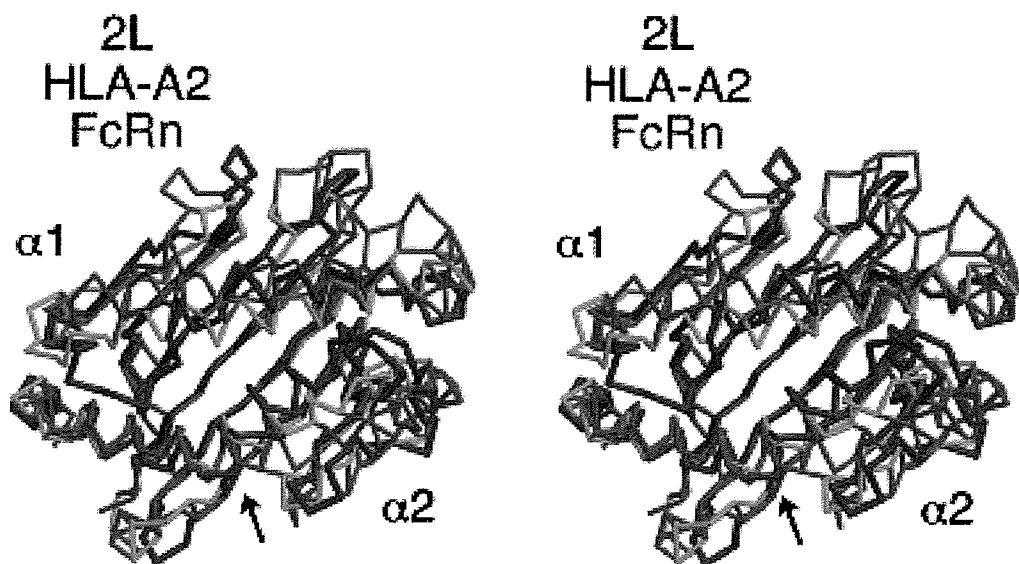


FIG. 2B



4/10

FIG. 2C

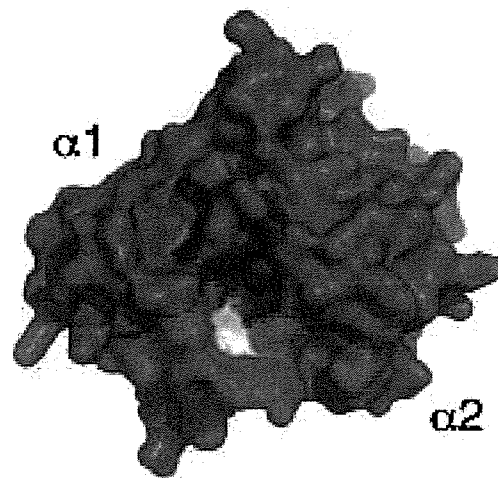


FIG. 2D

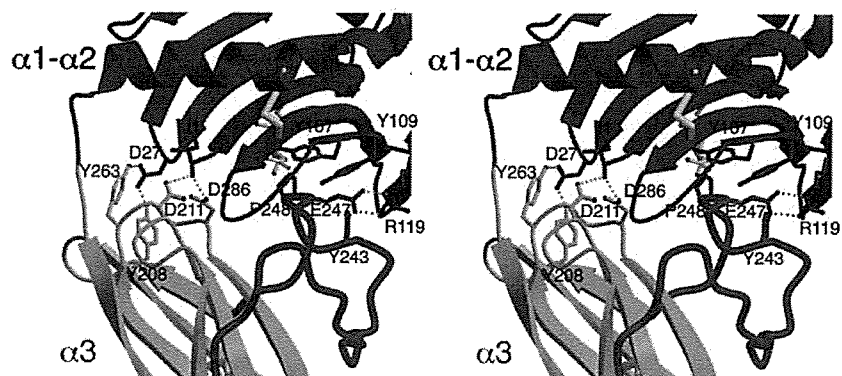


FIG. 2E

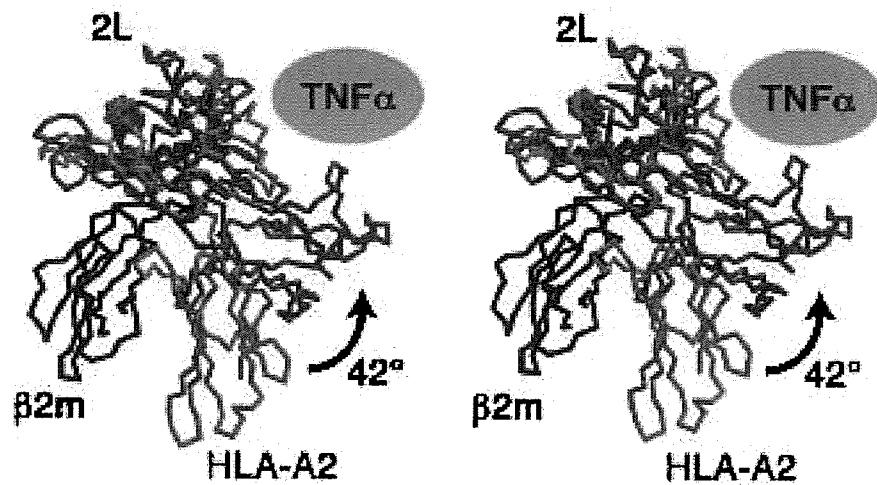
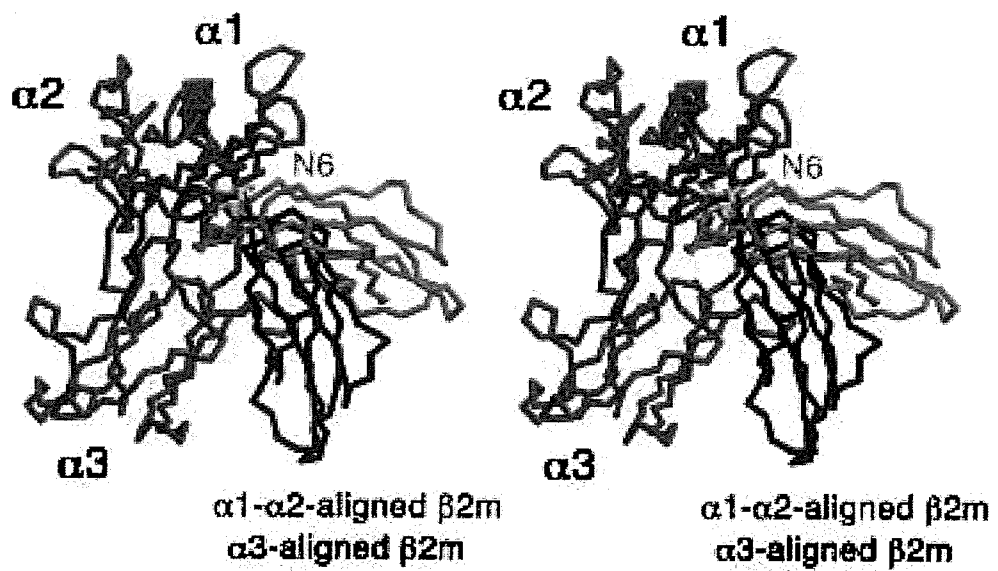


FIG. 2F



6/10

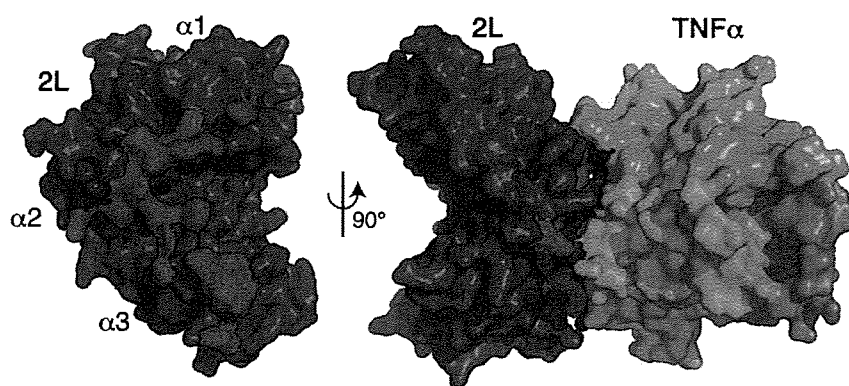
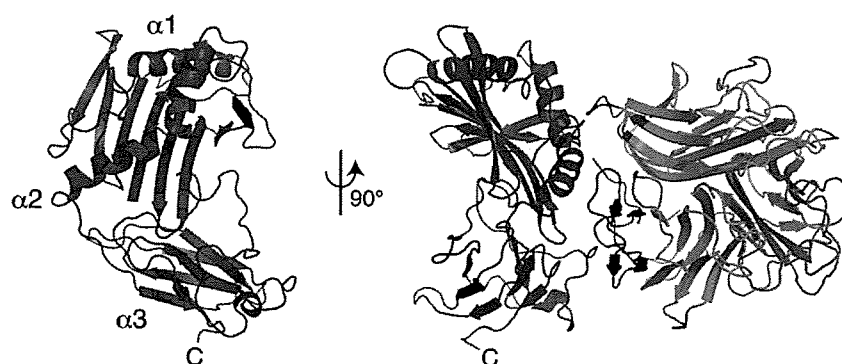
FIG. 3A**FIG. 3B**

FIG. 3C

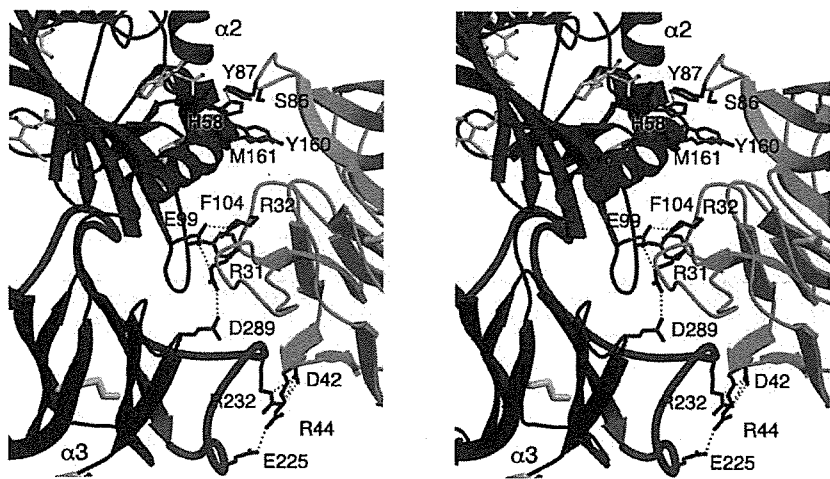
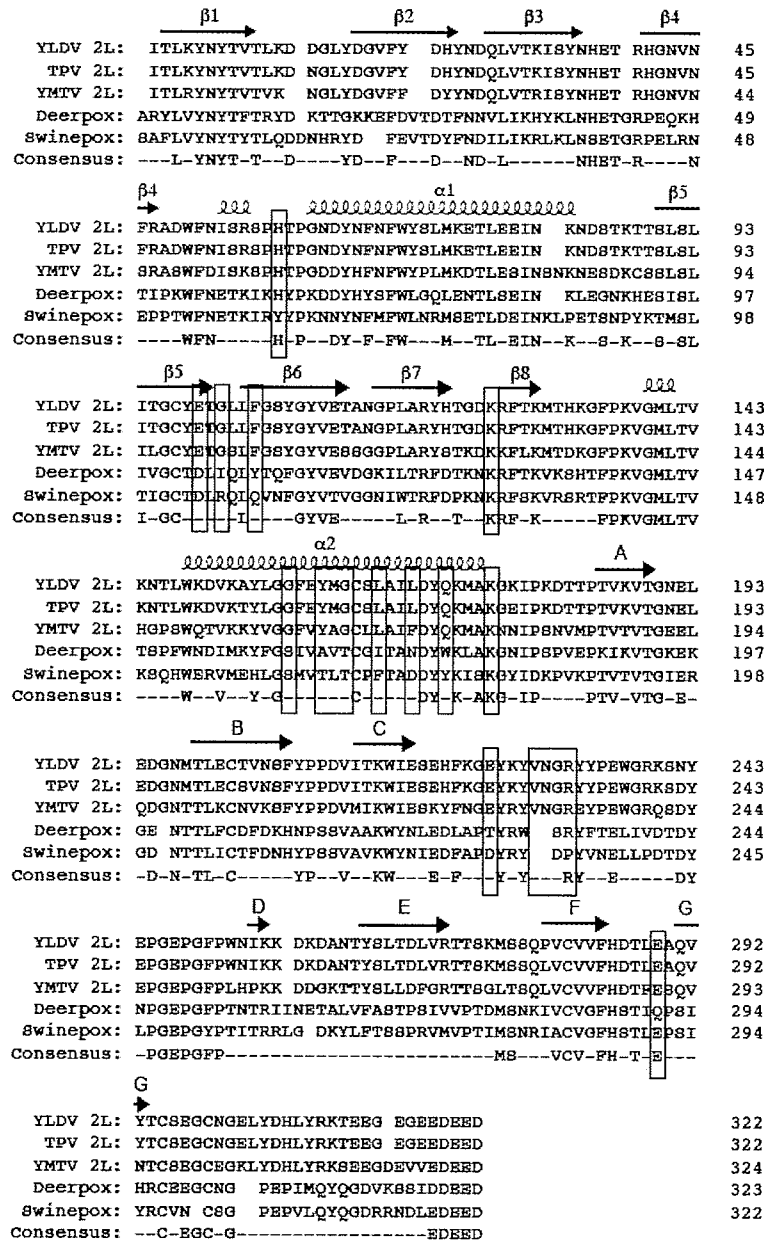


FIG. 4



		A		A'	B'	B	
human	TNF α :	VRSSSRTPSDKPVAHVVANPQAEGLQLWLNRRANALLANGVELRDNQLVV				50	
monkey	TNF α :	VRSSSRTPSDKPVAHVVANPQAEGLQLWLNRRANALLANGVELTDNQLVV				50	
canine	TNF α :	VKSSSRTPSDKPVAHVVANPEAEGQLQLWLSRRANALLANGVELTDNQLIV				50	
Porcine	TNF α :	LRSSSQ T SDKPVAHVVANVKAEGQLQWQSGYANALLANGVKLKDNDQLVV				49	
murine	TNF α :	LRSSSNSSDKPVAHVVAHQVEEQLEWLSQLRANALLANGMDLKDNQLVV				50	
rabbit	TNF α :	LRSASRALSDKPLAHVVANPQVEGQLQLWSQRANALLANGMKLTDNQLVV				50	
human	TNF β :	KPAHLIGDPSKQNSLLWRANTDRAFLQDGFSLSNNSSLV				67	
	Consensus:	-RSSS---SDKPVAHVVANP--EGQLQLW--RANALLANG--L-DNQLVV					
		C		D	E		
human	TNF α :	PSEGLYLIYSQVLFGQG CP	STHVLTLTHTISRIAVSYQTKVNLLSA	96			
monkey	TNF α :	PSEGLYLIYSQVLFGQG CP	SNHVLTLTHTISRIAVSYQTKVNLLSA	96			
canine	TNF α :	PSDGLYLIYSQVLFGQG CP	STHVLTLTHTISRFAVS YQTKVNLLSA	96			
Porcine	TNF α :	PTDGLYLIYSQVLFRQG CP	STNVFLTHTISRIAVSYQTKVNLLSA	95			
murine	TNF α :	PADGLYLIVSYQVLFGQG CP	DYVLTHTTVSRFAISYQEKNLLSA	95			
rabbit	TNF α :	PADGLYLIYSQVLFSGQG CR	S YVLTHTTVSRFAVSYPKNVNLLSA	95			
human	TNF β :	PTSGIFYFVYSQVVFSGKAYSPKATSSPLYLAHEVQLFSSQYPPFHPVLLSS			117		
	Consensus:	P--GLYLIYSQVLF-GQG-CP---S--VLLTHT-SR-AVS YQ-KVNLLSA					
		F		G			
human	TNF α :	IKSPCQRETPEGAEAKPWYEPIYLGGVFQLEKGDRLSAEINRPDYLDFAE			146		
monkey	TNF α :	IKSPCQRETPEGAEAKPWYEPIYLGGVFQLEKGDRLSAEINLPDYLDFAE			146		
canine	TNF α :	IKSPCQRETPEGTEAKPWYEPIYLGGVFQLEKGDRLSAEINLPNYLDFAE			146		
Porcine	TNF α :	IKSPCQRETPEGAEAKPWYEPIYLGGVFQLEKDDRLSAEINLPDYLDFAE			145		
murine	TNF α :	VKSPCKDTPEGAELKPWEPIYLGGVFQLEKGDLQAENVLPKYLDFAE			145		
rabbit	TNF α :	IKSPCHRETPEEAEPMAWYEPIYLGGVFQLEKGDRLSTEVNQPXYLDFAE			145		
human	TNF β :	QKMVYPGLQ EPWLHSMYHGAAFQLTGQDQLSTHTDGIPHLVLSP			161		
	Consensus:	IKSPCQRETPEGAE-KPWYEPIYLGGVFQLEKGDRLSAE-N-P-YLDFAE					
		H					
human	TNF α :	SGQVYFGIIAL				157	
monkey	TNF α :	SGQVYFGIIAL				157	
canine	TNF α :	SGQVYFGIIAL				157	
Porcine	TNF α :	SGQVYFGIIAL				156	
murine	TNF α :	SGQVYFGVIAL				156	
rabbit	TNF α :	SGQVYFGIIAL				156	
human	TNF β :	ST VFFGAFAL				171	
	Consensus:	SGQVYFGIIAL					

10/10

FIG. 6